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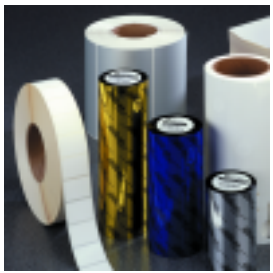

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www.printronix.com

EMEA PRINTER SUPPLIES GUIDE

Line Matrix, Thermal, Laser

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INTRODUCTION

PRINTRONIX VALUE COMMITMENT

- **Exceptional Service.**
- **On-time Deliveries.**
- **World Class Quality.**
- **Value You Can Depend Upon!**
- **All at a Competitive Price.**

THE GENUINE PRINTRONIX ADVANTAGE

Since supplies used in a printer are a critical element of the printing system, their design, specification and selection are of utmost importance. Printronix, with its years of experience in the design of printers and their applications, promises that you will receive the exact materials required to maximise the performance of your Printronix printer.

Genuine Printronix Supplies provide superior quality. They are manufactured to our demanding specifications and quality is checked and controlled from raw materials to delivery to your door.

Satisfaction is guaranteed. If any Printronix supply item does not meet your expectations or the demands of your application, it is replaced or your purchase price is refunded.

ABOUT PRINTRONIX

Printronix is the leader in enterprise resource planning printing solutions, providing network integrated multi-technology printers to businesses worldwide.

Founded in 1974, Printronix is the acknowledged foremost supplier of line matrix printers, and an innovator in continuous form laser printers and thermal bar code label printers. Printronix also has become an established leader in pioneering technologies, including radio frequency identification (RFID) printing, bar code compliance and networked printer management.

Headquartered in Irvine, California, with engineering, manufacturing, sales, and customer support centres worldwide, Printronix technology is sold under private label to the major computer systems providers and is available under the Printronix brand name through full service distributors and value added resellers.

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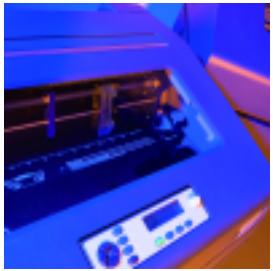
LINE MATRIX PRINTERS



Printronix invented the concept of line matrix printing in 1974, and has enhanced its line matrix printers through six generations of technological developments.

Typically, *10 times less expensive than laser or serial matrix,* Printronix line matrix delivers significant cost savings in all high volume applications.

The installed base of Printronix "P" Series line matrix printers is used for a wide range of printing applications including text printing or a mix of text and bar code printing applications such as shipping labels.

Typical Line Matrix Print Applications

Typical Text Printing Applications	Typical Bar Code Printing Applications
Data processing reports	Shipping labels
Invoices	Receiving labels
Packing slips	Work in process labels & tags
Pick lists	Asset labels
Inventory reports	Wide range of bar coded labels & tags
Parts listings	Broadcast labels (large labels)
Multi-part forms	Trade documents

P7000 LINE MATRIX PRINTERS

The **P7000 family**, recently introduced, offers seven models, all designed to meet the needs of offices, industrial companies, and distribution centres requiring unsurpassed impact printing. Advancing its industry leading web-enabled remote management capabilities, and coupling a host of reliability and usability enhancements, the P7000 printer represents the best line printer ever made and the ideal solution for high volume low cost printing of mission critical reports, forms and labels.

For further information on the P7000 line matrix printers, please visit our website at www.printronix.com

The **P7000ZT Series** (3 models) incorporates the industry leading features of the P7000 pedestal model printers - clamshell design, Ultra Capacity consumables and Integrated Print Management.

Unique to the P7000ZT Series is the special push tractor configuration. **This system enables you to print from the very first to the very last line of a form and then tear it off with no loss of forms.**

This series is ideal for applications requiring precise accounting of all forms or where forms are simply too expensive to waste. Especially, when each form is torn off and used individually, the elimination of waste between sheets can yield significant savings.

The smart paper system automatically ejects the paper for tear off after the page or job is printed, and then retracts it as soon as the next job is sent. Or, at any time, you can use the Eject key to present or return forms as necessary for tear off.

Push tractor system eliminates forms loss.

P7000HD LINE MATRIX PRINTERS

The P7000HD extends the reach of line matrix printing to high quality industrial graphics. Migrating to new systems built around Windows™ and graphics based printing, no longer means having to forgo the traditional line matrix benefits of reliability, low cost, and forms flexibility. Preserving all the industry leading features of the 6th generation P7000 platform, the new P7000HD is ready to drop directly in place of any Windows connected laser printer.

This printer is also available with the special push tractor configuration (P7000HD ZT).

P7000 & P7000HD PRINTER OVERVIEW

Model	Speed (LPM)	Style
P7000 Series		
P7005ZT	500	Zero Tear Pedestal
P7005	500	Open Pedestal
P7205	500	Floor Cabinet
P7010ZT	1000	Zero Tear Pedestal
P7010	1000	Open Pedestal
P7210	1000	Floor Cabinet
P7015ZT	1500	Zero Tear Pedestal
P7015	1500	Open Pedestal
P7215	1500	Floor Cabinet
P7220	2000	Floor Cabinet
P7000HD series		
P7000HD	*	Open Pedestal
P7000HDZT	*	Zero Tear Pedestal
P7200HD	*	Floor Cabinet

* Print Speed depends on resolution in DPI

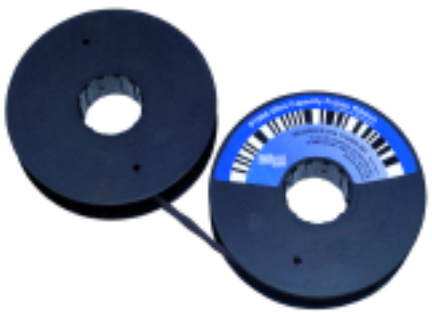
P7000 LINE MATRIX STANDARD RIBBON

Central to the development of the new P7000 family of line matrix printers was the design of a completely new consumable. Addressing our customers' requests for fewer user interventions, darker images, and easier ribbon loading, the new P7000 Ultra Capacity Ribbon was created.

Formulated for high yield, dark, high definition bar code and text printing. These ribbons increase printing productivity with fewer ribbon changes resulting in reduced overall cost of printing.

Ribbon for P7000 printers	
Description	Ultra Capacity
Printers	P7000
Yield	90 million characters
Part No.	**179499-001** (Box of 6)

Note : This ribbon is not compatible with Printronix P5000 Line Matrix Printers.



Advantages of the Ultra Capacity Ribbon

- **Ultra Long Life:** Rated at 90 million characters, delivers up to a 300% improvement in ribbon life over our most popular 30 million character ribbon - significantly reducing the number of user interventions.
- **One ribbon for all models (pedestal and cabinet):** Large spools and simple load hubs designed exclusively for P7000 printer series.
- **One Ribbon Fits Almost All Applications:** Single ink formulation provides optimal images for both text and bar code printing.
- **Integrated Print Management System:** The Ultra Capacity ribbons include the necessary bar code to work integrally with the new Integrated Print Management System to provide complete visibility. The P7000 has a new feature that automatically monitors and communicates ribbon life and quality. This allows the system administrator to have precise control over print quality, consumable costs, and job planning.
- **Lowest Cost of Operation:** More yield from the ribbon delivers a decrease in the cost per page and allow users to stretch their consumables budget further.
- **Easy Ribbon Changing:** Clamshell top access and new easy-load spool/hub design make ribbon changing easier than ever.
- **Storage Life:** Ribbons have a functional shelf life of a minimum of two (2) years when stored in their original unopened packaging at a temperature below 27°C.

P7000 LINE MATRIX COLOUR & SPECIALTY RIBBONS

Printronix provides ribbons to meet the needs of all your specialty applications. These ribbons are manufactured to the same exacting specifications as other *Genuine* Printronix ribbons.

Description	Yield	Application	Fits	Part No.
Label Ribbon	65 million characters	For shiny face stock	All P7000 models	**179488-001** Pack of 6
Red Text Ribbon	58 million characters	For applications that require red printed image	All P7000 models	**179490-001** Pack of 6
Blue Text Ribbon	58 million characters	For applications that require blue printed image	All P7000 models	**179491-001** Pack of 6
Green Text Ribbon	58 million characters	For applications that require green printed image	All P7000 models	**179492-001** Pack of 6
Security Ribbon (Non-Inked)	108 million characters	For applications that use NCR or carbon forms and require no printing on the face stock	All P7000 models	**179493-001** Pack of 6
Quick Dry Ribbon	36 million characters	For extremely glossy face stock Ink formulated for non-porous media	All P7000 models	**179494-001** Pack of 6
Tamper Evident Ribbon*	47 million characters	Blue ribbon with a red 'bleed through' for secure printing	All P7000 models	**179496-001** Pack of 6
UV Ribbon	50 million characters	Special ink visible under ultraviolet (UV) light	All P7000 models	**179497-001** Pack of 6
Laundry Ribbon	54 million characters	Printing on fabrics that must withstand washings	All P7000 models	**179498-001** Pack of 6

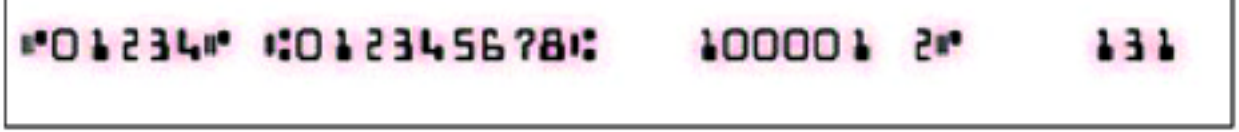
Note : These ribbons are not compatible with Printronix P5000 Line Matrix Printers.

Storage Life: *Ribbons have a functional shelf life of a minimum of two (2) years when stored in their original unopened packaging at a temperature below 27°C.*

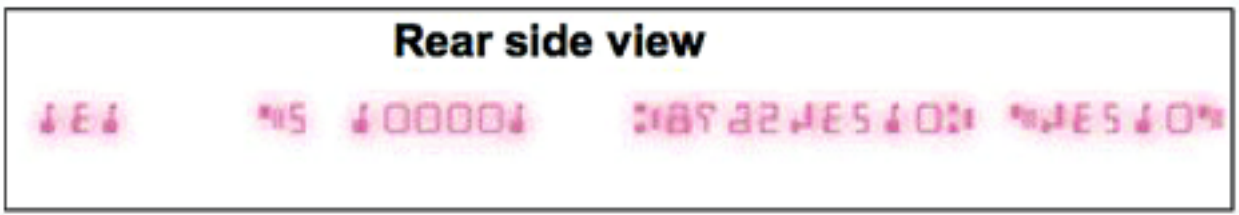
P7000 LINE MATRIX COLOUR & SPECIALTY RIBBONS

* Tamper Evident Ribbon

Printout Front page



Rear side view



The printout may slightly differ depending on the type of the paper on which it is printed.

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P7000HD LINE MATRIX STANDARD RIBBON

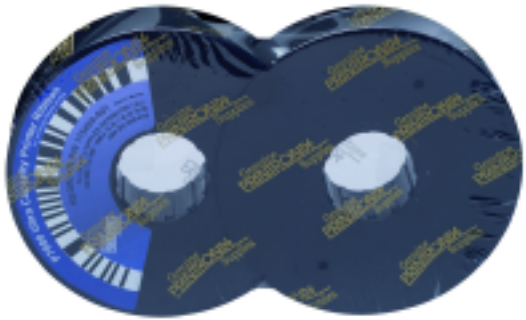
A special high definition formulation of Ultra Capacity ribbon was developed for the P7000HD Series to handle the unique challenges of high detail fine point printing.

Like the standard Ultra Capacity ribbon, this new formulation delivers a sharper darker image for a greatly extended life. Compared to the most popular P5000H ribbons, these ribbons deliver a 20% darker image and twice the life. The result is reduced user intervention, improved print quality and the best cost per page. And, like all P7000 ribbons, they are fully supported by the Integrated Print Management system.

Ribbon for P7000HD printers	
Description	Ultra Capacity HD
Printers	P7000HD
Yield	60 million characters
Part No.	**250145-001** (Box of 6)

Note : This ribbon is not compatible with Printronix P5000 Line Matrix Printers.

Storage Life: *Ribbons have a functional shelf life of a minimum of two (2) years when stored in their original unopened packaging at a temperature below 27°C.*



P7000 CONSUMABLES QUESTIONS & ANSWERS

"Which ribbon is right for my application?"

The P7000 Ultra Capacity ribbon is the right choice for most applications. It has been designed to give the darkest starting print, longest life, and lowest cost per page. It contains the necessary ingredients to be readable by infrared OCR and bar code scanners, and produces sharp, high contrast bar codes and text.

"When would I require the P7000 Label ribbon?"

The ink used in the Ultra Capacity ribbon may not provide optimum images with some shiny or coated label face stocks. In these cases, Printronix recommends our specialty P7000 Label ribbon, designed specifically for these applications.

"Will the same P7000 ribbon fit the pedestal and quiet cabinet models?"

Yes. All spools for the P7000 are the same size and are designed for the larger P7000 Ultra Capacity Ribbons. As part of the new pedestal design for the P7000 family, the interior capacity was increased to enable it to handle the new, larger size. So unlike its predecessor, there is no longer a difference in spool sizes between the pedestal and quiet cabinet models.

P7000 CONSUMABLES QUESTIONS & ANSWERS

"Are the P5000 and P7000 ribbons interchangeable?"

No. The P7000 ribbons are too large to physically fit in either the pedestal or quiet cabinet P5000 printers. Additionally, the new easy load hub on the P7000 will not accommodate the older P5000 spool design.

"What is the comparable cost of operation between a P5000 and P7000?"

The P7000 Ultra Capacity ribbon's new, unique ink formulation actually delivers more yield per unit than the P5000 ribbons. These savings are passed on to the user resulting in a decrease in the cost per page over the already economical P5000 ribbons. For example, on a per character basis the P7000 supplies are almost 28% less expensive than our most popular P5000 ribbons.

"If the cost of operation is better than the P5000, why do the P7000 ribbons have a higher price?"

Operating cost is based on cost per volume of printing. Since the P7000 ribbons yield more than any comparable P5000 ribbons, the price will be higher on a per spool basis. However, if you divide the spool price by its yield, you will see that you are saving money with the P7000.

"Can I buy the ribbons for the P7000 from my current Printronix supplier?"

Yes. All existing suppliers of Genuine Printronix ribbons have access to the new P7000 suite of ribbons.

"I do not use Genuine Printronix Supplies today. Can I continue to buy from my existing supplier?"

Yes. Many of these suppliers have access to Genuine Printronix Supplies.

P7000 CONSUMABLES QUESTIONS & ANSWERS

"Why should I use Genuine Printronix ribbons for my P7000?"

The number one reason is reliability. Most manufacturers of third party ribbons use excessive, inconsistent, or low quality ink. Even if the resulting print quality is found to be acceptable, the impact on the mechanism is not. These poor formulations shed their ink into the hammer bank and eventually stop it from printing. The only cure is an expensive tear down and clean up of your printer by a trained service personnel. Since this is a common problem in the field and is not a printer malfunction, these service calls are typically not covered by your service contract.

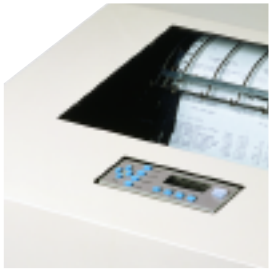
"Are there other brands of ribbons that will fit my P7000?"

The P7000 ribbon is a brand new product and at the time of its introduction, we are only aware of Printronix and IBM branded ribbons that will function properly. Typically, the compatible manufacturers will wait until they see sufficient demand in the market before proceeding with making their own products.

"I have found a third party ribbon for my P7000 which the printer identifies as "Unauthorised OEM", what does this mean?"

This product will work on your P7000, but the design is not suitable to prevent ink contamination and does not correctly report its characteristics to the Integrated Print Management system. Since the correct data is not provided, the ribbon life indication will not work and has been disabled. Furthermore, your service provider will be able to tell that your printer has been running Unauthorised supplies and may charge for any ink contamination related service calls. We recommend using Genuine Printronix Supplies or other Authorised OEM products.

P5000 LINE MATRIX PRINTERS



Model	Speed (LPM)	Style
P5000 series		
P5005	500	Open Pedestal
P5005ZT	500	Zero Tear Pedestal
P5205	500	Floor Cabinet
P5010	1000	Open Pedestal
P5010ZT	1000	Zero Tear Pedestal
P5210	1000	Floor Cabinet
P5015	1500	Open Pedestal
P5215	1500	Floor Cabinet
P5220	2000	Floor Cabinet
P5224	2400	Floor Cabinet

P5000 LINE MATRIX GOLD SERIES RIBBONS

The Gold Series Ribbons are formulated with a single ink providing optimal images for both text and bar code printing eliminating the need to purchase and inventory two separate ribbons. These ribbons increase printing productivity with fewer ribbon changes resulting in reduced overall cost of printing operations.

Gold Series Ribbons				
	Gold 30	**Gold 50**	**Gold 90**	**Gold 2000**
Application	Text and Bar Code Printing Applications			
Printers	All P5000*	All P5000*	All P52XX** Cabinets	All P5220 & P5224***
Text Yield (million characters)	30	50	90	60
Bar Code Yield (AIAG style 4"x6" Shipping labels)	3400	4800	7400	5100
Average Yield (in pages)	5K-8K (2-3 boxes)	9K-14K (3-5 boxes)	15K-24K (5-8 boxes)	11K-18K (4-6 boxes)
Part No.	**172293-001** Pack of 6	**175006-001** Pack of 6	**179006-001** Pack of 6	**175220-001** Pack of 12

* For all Printronix Line Matrix Printers P5000 (Pedestal and Cabinet Models) including the P5220s, except P5220 & P5224 - dual hammerbank

** For all Printronix Line Matrix Floor Cabinet Printers P52XX including the P5220s, except P5220 & P5224 - dual hammerbank

*** Only for the P5220 & P5224 due to the unique demands of dual hammerbank technology

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P5000 LINE MATRIX GOLD SERIES RIBBONS

Advantages of P5000 Gold Series Ribbons

All Gold Series ribbons have the same outstanding advantages of the Printronix standard ribbons, plus:

- Highest printing capacity available... nearly double the life of standard P5000 ribbons. Significantly reduces ribbon changes and increases productivity.
- Single ink formulation provides optimal images for both text and bar code printing... eliminates need to purchase and inventory two separate ribbons.
- Solid flange spools reduce ribbon contact during changes, improves ribbon tracking, improves print quality.
- Consistent quality and performance... assures consistency ribbon-to-ribbon, box-to-box.
- Reduced printer wear and maintenance.
- Designed and manufactured by Printronix... optimal fabric design and ink chemistry for the Printronix print mechanism.
- Printronix guarantee... every genuine Printronix ribbon is unconditionally guaranteed to meet or exceed the requirements of the most demanding applications. If these needs are not met, ribbons are replaced without any questions asked.

Unique Advantages of Gold Series 2000 Ribbons (only for P5220 & P5224 - dual hammerbank)

Formulated specifically for the dual hammerbank technology used in the P5220 and the P5224. All the features of Printronix Gold Series Ribbons plus:

- Unique patented fabric, ink formulation, and construction optimised to match the dual hammerbank technology used in the P5220 and P5224.
- Designed for optimum performance at 2000 LPM high speed printing.
- Ink-free mylar leader enables ribbon to be loaded free of messy hands.
- Packed 12 ribbons to a box to support high production usage.

- **Storage Life: Gold Series Ribbons have a functional shelf life of a minimum of two (2) years when stored in their original unopened packaging at a temperature below 27°C.**

P5000 LINE MATRIX STANDARD RIBBONS

(ALL MODELS EXCEPT P5220 & P5224 - dual hammerbank)

For over 30 years, Printronix traditional ribbons continue to provide quality line matrix printing.

Extended Life Text Ribbons		
Application	Text Printing (i.e. Reports and Invoices)	
Fits	All Models Including P5220s (Except P5220 & P5224 - dual hammerbank)	All P52XX Cabinet Models Including P5220s (Except P5220 & P5224 - dual hammerbank)
Yield In Characters	30 Million Characters	50 Million Characters
Average Yield In Pages	9,000 To 14,000 Pages (3-5 Boxes Of Paper)	15,000 To 24,000 Pages (3-5 Boxes Of Paper)
Part No. (Box of 6)	**107675-001**	**107675-007**

Bar Code/OCR Ribbons		
Application	Bar Code, Optical Character Recognition (OCR) and Text Printing	
Fits	All Models Including P5220s (Except P5220 & P5224 - dual hammerbank)	All P52XX Cabinet Models Including P5220s (Except P5220 & P5224 - dual hammerbank)
Bar Code Yield In Labels	2,800 AIAG Style (4”x6”) Shipping Labels	4,667 AIAG Style (4”x6”) Shipping Labels
Yield In Characters	30 Million Characters	50 Million Characters
Average Yield In Pages	9,000 To 14,000 Pages	15,000 To 24,000 Pages
Part No. (Box of 6)	**107675-005**	**107675-008**

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P5000 LINE MATRIX STANDARD RIBBONS

Advantages of Standard Ribbons

- Designed to reliably work with the Printronix ribbon reversing electronics... eliminates breakage.
- Fast drying ink eliminates image smearing and smudges.
- Designed for use with Printronix high speed hammerbanks.
- Packed 6 ribbons to a box with cleaning towelettes and gloves for operator convenience.
- Each ribbon is protected with tightly sealed shrink-wrap to extend shelf life.
- Storage Life: Ribbons have a functional shelf life of a minimum of two (2) years when stored in their original unopened packaging at a temperature below 27°C.

Unique Advantages of Text Ribbons

- Designed for reliable extended text printing life.
- Long life ribbon - 30 million and 50 million characters - improves productivity by reducing downtime for ribbon changes.
- Uses specially formulated ink for extended ribbon life and consistent print image.

Unique Advantages of Bar Code Ribbons

- Specially formulated ink results in enhanced bar code scanning and consistent print imaging.
- Carbon-formulated ink enhances compatibility with bar code scanners.

P5000 LINE MATRIX COLOUR AND SPECIALTY RIBBONS

Printronix provides ribbons to meet the needs of all your specialty applications. These ribbons are manufactured to the same exacting specifications as other *Genuine* Printronix ribbons.

Description	Yield	Application	Fits	Part No.
Red Text Ribbon	40 million characters	For applications that require red printed image	All models incl. P5220s (except P5220 & P5224 - dual hammerbank)	**136424-001** Pack of 6
Blue Text Ribbon	40 million characters	For applications that require blue printed image	All models incl. P5220s (except P5220 & P5224 - dual hammerbank)	**136424-002** Pack of 6
Green Text Ribbon	40 million characters	For applications that require green printed image	All models incl. P5220s (except P5220 & P5224 - dual hammerbank)	**136424-003** Pack of 6
Security Ribbon (Non-Inked)	40 million characters	Secure printing of multipart forms	All models incl. P5220s (except P5220 & P5224 - dual hammerbank)	**171865-001** Pack of 6
P5220/P5224 Security Ribbon Non-Inked	60 millions characters	Secure printing of multipart forms	For P5220 & P5224 (except P5220s)	**174802-001** Pack of 12
UV Ribbon	4 million characters	Special ink visible under ultraviolet (UV) light	All models incl. P5220s (except P5220 & P5224 - dual hammerbank)	**175201-001** Pack of 6
Laundry Ribbon	5 million characters	Contains a wash-resistant ink for use in commercial laundry applications	All models incl. P5220s (except P5220 & P5224 - dual hammerbank)	**175355-001** Pack of 6

Storage Life: *Ribbons have a functional shelf life of a minimum of two (2) years when stored in their original unopened packaging at a temperature below 27°C.*

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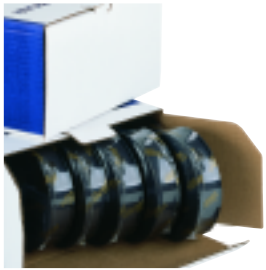
P5000 CONSUMABLES QUESTIONS & ANSWERS



"Why can't I run my existing ribbons on the P5220 & P5224?"

Although they may look similar, they are in fact quite different. The 2000 LPM printer achieves its high print speed by virtue of having dual rows of hammers. It is almost like two line matrix printers stacked on top of one another. This unique geometry, coupled with high speed printing, places very special demands on the ribbon design. The Gold Series 2000 ribbon has been specially designed and patented to be optimised for this unique configuration.

"To simplify things, could I switch the ribbons for all my printers to the Gold Series 2000?"

The simple answer is no. This ribbon is designed to deliver superior print quality on the high speed P5220 and P5224. This superior quality is the result of a unique ribbon design, which has been patented by Printronix.

"Why are the spools different between the P5220/P5224 and my other printers?"

The P5220/P5224 hub is larger to prevent the loading of an incorrect ribbon. Superior print quality occurs only with the patented Gold Series 2000 ribbon.

"Is there really that much variation and importance in ribbon design?"

Yes. Although the concept is very simple, the details of the design are very critical. If the ribbon is too thick, it will produce a fuzzy image. If it is too thin, it won't supply enough ink. If the ink dries too fast, it won't last once exposed to air. If it dries too slow, it will smear. If it is too moist, it will clog the print hammers. If it does not have enough ink, it will run out too quickly. If the ink flows too easily, it may flow to the bottom of the ribbon. If it flows too slowly, it might not support a high enough print speed. If the ink is not dark enough, it will produce low contrast printing and poor bar codes. If it has too many or the wrong darkening agents, it will damage the printer.

Similarly, the design of the printer introduces a whole other set of variables that effect ribbon design. How fast will the ribbon move past the hammers? How fast are the hammers striking? How close are they to each other? How big are the tips? The list of questions and complex tradeoffs goes on and on, which is why it is so valuable that Printronix engineers both the ribbon and the printer to work together. The performance yielded from the Gold Series ribbons is a great testimony to what can be achieved with total design control.

P5000 CONSUMABLES QUESTIONS & ANSWERS

"Why does my generic ribbon print darker than the Printronix ribbon?"

This is a true indication of an over-inked ribbon. Many generic ribbons contain excessive ink and appear to print darker. These ribbons will lead to expensive repairs due to ink migration onto the print hammers. When ink builds up as gummy, sticky deposits in the hammerbank, print quality deteriorates. This can result in the most costly repair in the printer. Often service contracts will not cover these repair costs. Printronix ribbons have a precisely controlled ink load and are guaranteed to prevent ink migration problems.

"Aren't all printer ribbons similar and made with similar inks?"

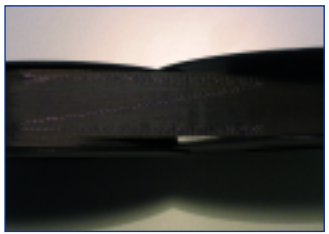
The selection and use of the ink formulation incorporated in any printer ribbon is dependent upon the impression method of the printer, the paper or label material upon which the data is to be printed and the eventual application and use of the data or graphics created. The ribbon inks used in *Genuine* Printronix Ribbons are formulated for consistency, quality and extended life with your applications in mind.

"What causes the quality and darkness of my printed output to change drastically every time I change my printer ribbon?"

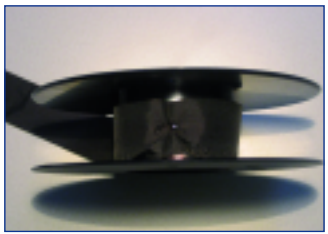
If not properly controlled during manufacturing, the amount of ink within a new ribbon can vary not only between various suppliers, but also from batch to batch from a single vendor. These variations of ink content can produce significant inconsistencies and quality variations in your printed data and bar code applications. Ideally, ribbons should have an initial inking level of approximately 19% by weight. Below this level, useful ribbon life will be significantly reduced. Above this level, spreading and smearing of barcodes and characters will be observed.

"Why is there a Ball Shot attachment instead of a mylar leader?"

In a continuous drive to improve ribbon quality and reliability, we have found the mechanical security of ball shot ribbon attachment superior to previous adhesive based attachment methods. The benefit is more uptime with fewer possible interruptions. The ball-shot attachment is combined to a stitched wire that gives the reversal action signal to the printer when it reaches the end of the ribbon (see photos on the right).



Stitched wire giving the signal to reverse



Ball-shot attachment

P5000 CONSUMABLES QUESTIONS & ANSWERS

"Are there any specific instructions to install the ribbon with the ball-shot attachment?"
After removing your ribbon spools from the shrink wrap, please install the ribbon as received. DO NOT WIND THE RIBBON so all of the fabric is on one spool or you will experience ribbon reversing problems.

"Will static from a ribbon cause printing problems?"
In recent testing we have found a number of non-Printronix ribbons can generate static during the printing operation. This electronic discharge (static) can result in printer stoppage, controller logic resets, and (in the worst cases) damage to electronic components in the system's circuits. Genuine Printronix ribbons are specifically manufactured with high impact styrene spools that have been selected and tested to prevent potentially destructive static build up.

"How important is ribbon quality when printing bar codes?
Control of ink spread is most critical in any bar code application. You must ensure that the space elements between bars remains a constant width and that the code remains scanner readable without variations or errors. It is also required that the ink be uniformly dispersed along the entire length of the ribbon to eliminate variations in print density during the ribbon's productive life. Genuine Printronix ribbons are manufactured to exacting specifications and quality controlled to ensure that each ribbon you receive produces a level of density and image quality that is consistent from application to application.

"Can I use a mylar ribbon with my Printronix printer?"
Because of the highly abrasive nature of the mylar ribbon base material, the use of these ribbons is not approved or recommended for use with Printronix printer systems. Our oratory lab has found that mylar ribbons can cause excessive wear and will eventually destroy the ribbon mask of the printer in a very short period of time.

"Does packaging have any effect on the performance of a printer ribbon?"
Because of the liquid properties of inks, printer ribbons require proper protective packaging to ensure that evaporation during shipping and storage is minimised. Each Genuine Printronix ribbon is individually protected by a plastic shrink wrap. Because of the somewhat perishable nature of impact printer ribbons, a date of manufacture is provided so that proper inventory rotation can be instituted. All of the outer cartons and shipping containers of Genuine Printronix supplies are designed to protect the ribbons from physical damage and distortion during shipping and handling.

COMPATIBILITY WITH OTHER LINE MATRIX PRINTER BRANDS

During the past two decades, many of our competitors have recognised the inherent dependability, economy and quality that could be gained by utilising the *Genuine* Printronix ribbon's configuration and spool design. They have incorporated these ribbons into their product offerings.

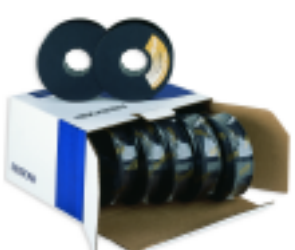
Because of this, *Genuine* Printronix Gold Series, Barcode and Extended Life Text ribbons are fully compatible with printers from other distributors and manufacturers. Even if you don't have a Printronix printer, you can still benefit from the recognised image quality and reliability of *Genuine* Printronix ribbons. All *Genuine* Printronix ribbons are designed and manufactured to provide you with maximum print quality and cost effective operation while protecting the value of your printer investment.

COMPATIBLE PRINTER CHARTS

The printers in black (pedestal models) can only accept small spool ribbons, the printers in blue (cabinet models) can accept small & large spool ribbons.

SMALL SPOOL RIBBONS		
Ribbon Type	**Character Yield**	**Part Number**
Gold Series 30	30 million	172293-001
Gold Series 50	50 million	175006-001
Extended Life Text	30 million	107675-001
Bar Code	30 million	107675-005
Red	40 million	132464-001
Blue	40 million	136424-002
Green	40 million	136424-003
Security Non-Inked	40 million	171865-001
UV Ribbon	4 million	175201-001
Laundry Ribbon	5 million	175355-001

LARGE SPOOL RIBBONS		
Ribbon Type	**Character Yield**	**Part Number**
Gold Series 90	90 million	179006-001
Extended Life Text	50 million	107675-007
Bar Code	50 million	107675-008



PRINTRONIX®
GLOBAL PRINTING...ENABLED.

COMPATIBILITY WITH OTHER LINE MATRIX PRINTER BRANDS

	BRAND	PRINTERS COMPATIBLE WITH OUR **PRINTRONIX P5000 RIBBONS** (as follows) Printers in black font color: small spool ribbons only Printers in blue font color: small & large spool ribbons
A	ADP Printronix	Printronix
	Advance Info	3510, 905, Access Advisor
	AI/GBT	3940, 4980, L5040, L5080, L5120
	Alcatel	8334
	AM Jacquard	P300
	American Mopas	P150, P300, P600
	Anzac	P600
B	Banctec	CES 9400, TRP 1000, TRP 700
	Basic	700
	Basic Computer Sys	S-10, S-20
	Basic Four	0916 Spool, 0918, 150, 200CPS, 300, 3150, 3152, 3510, 3560, 3561, 3562, 3904, 3905, PT4201, PT4214, PT4219, PT4224, PT4230, 4235 (3904), 4236 (3904), 510 Spool, 520, 600, 700, 810 Spool, 905, 950, 610, 730S-10, S-20, 3151, 3207
	Bell & Howell	MPT
	Binder	CI-300, LDP600
	Braegen	LDP300, LDP600
	Bull	PR90, P9912-D, PR900, PR701, PR701P, PR702, PR702P, PR702PA, PR702A, PR800, PR801, PR801P, PR802, PR802P, PR802PA, PR802A, PR802SA, PR900, PR901, PR902, PR902A
	Bunker Ramo Alad	20, 30, 40
C	C Itoh	CI-300, CI-600, CI-800, CI-1000
	Cado Systems	P300, P301, P600, P601, PRINTRONIX
	Calcomp	LPD-300
	Citizen America	CI-300, CI-600

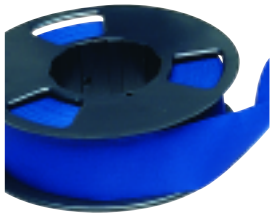
P5000 small spool ribbons: 107675-001 (text), 107675-005 (barcode), 172293-001 (Gold 30), 175006-001 (Gold 50) + all specialty ribbons.
P5000 large spool ribbons: 107675-007 (text), 107675-008 (barcode), 179006-001 (Gold 90).

COMPATIBILITY WITH OTHER LINE MATRIX PRINTER BRANDS

	BRAND	PRINTERS COMPATIBLE WITH OUR **PRINTRONIX P5000 RIBBONS** (as follows) Printers in black font color: small spool ribbons only Printers in blue font color: small & large spool ribbons
	COT	C6000, C6040, C6080, C6240, C6240/S, C6280, C6280/S, TOP, TOP/S
	CTM	900, ZD200, ZD300, ZD600
D	DAS	FE-09623-01, FE-09620-01, FE-09622-01, FE-09624-01, FE-09625-01
	Datasouth	DS500 LMP, DS500 LMC, DS800 LMP, DS800 LMC, DS900 LMP, DS900 LMC, DS1000 LMP, DS1000 LMC, DS1200 LMC, DS1400 LMC, DS1500 LMP, DS1500 LMP
	Decision Data/ NLYNX	6605-AOO, 6605-AOOP, 6605-CTA, 6605-CTAP, 6605-TIA, 6605-TIPA, 6608-AOO, 6608-AOOP, 6608-CTA, 6608-CTAP, 6608-TIA, 6608-TIAP, 6609-AOO, 6609-AOOP, 6609-CTA, 6609-CTAP, 6609-TIA, 6609-TIAP, 6610-AOO, 6610-AOOP, 6610-CTA, 6610-CTAP, 6610-TIA, 6610-TIAP, 6612-AOO, 6612-CTA, 6612-TIA, 6614-AOO, 6614-CTA, 6614-TIA, 6615-AOO, 6615-CTA, 6615-TIA, 6704, 6704QC, 6807, 6811, 6910, 6945P, 6945Q
	Decision Systems International (DSI)	6740, 6908, 6912, 6945P-00, 6945P-90, 6945P-20, 6945Q-00, 6945Q-90, 6945Q-20, 6905P-00, 6905P-90, 6905P-20, 6905Q-00, 6905Q-90, 6905Q-20, 6905BP-00, 6905BP-90, 6905BP-20, 6905BQ-00, 6905BQ-90, 6905BQ-20, 6908P-00, 6908P-90, 6908P-20, 6908Q-00, 6908Q-90, 6908Q-20, 6909P-00, 6909P-90, 6909P-20, 6909Q-00, 6909Q-90, 6909Q-20, 6910P-00, 6910P-90, 6910P-20, 6910Q-00, 6910Q-90, 6910Q-20, 6912Q-00, 6912Q-90, 6912Q-20, 6914Q-00, 6914Q-90, 6914Q-20, 6915Q-00, 6915Q-90, 6915Q-20, 7005P, 7005Q, 7010P, 7010Q, 7015Q, 7015Q/ST
	Digital Associates	P300, P600
	Digital Datacom	Demis
	Digital Equipment (DEC)	LG04+, LGL4+, LG05, LG05+, LGL5, LGL05+, LG06, LG08+, LG12, LG12+, LG044, LGL44, LG054, LG08, LG08+, LGL08+, LG095+, LG09+, LGL9+, LGL9-KC, LG09-KC, LG10, LGL10, LG12, LG12+, LG14+, LG15, LXY11, LXY12, LXY21, LXY22
E	Erickson	P3040
	Evolution Corp	P300

P5000 small spool ribbons: 107675-001 (text), 107675-005 (barcode), 172293-001 (Gold 30), 175006-001 (Gold 50) + all specialty ribbons.
P5000 large spool ribbons: 107675-007 (text), 107675-008 (barcode), 179006-001 (Gold 90).

COMPATIBILITY WITH OTHER LINE MATRIX PRINTER BRANDS



	BRAND	PRINTERS COMPATIBLE WITH OUR **PRINTRONIX P5000 RIBBONS** (as follows) Printers in black font color: small spool ribbons only Printers in blue font color: small & large spool ribbons
F	Facit	L404, L408, L412, L505-01, L505-02, L508-01, L508-02, L509-01, L509-02, L512-01, L512-02, L514-02, L514-02 ST, L605-01, L605-02, L610-01, L610-02, L615-02, L615-02 ST
	Famox	300
G	GBT	5240BL, 5241BL
	Gemini (Star)	0631, 0633, 0636
	General Automation	0631, 0633, 0636, MVP
	GH HOLDING	GHD-1000S, GHD-550, GHD-1000, GHD-6005S, GHD-6005
	Global Equipment	P300, P600
	Guwa	1901-050, 1901-080, 1901-090, 1901-120, 1901-140
H	Harris	4400, H162, H162-300, H162-600
	HOH	300
	HP	C3201, C3201A, C3201B, C3201C, C3201D, C3202, C3202A, C3202B, C3202C, C3202D, C3203, C3203A, C3204, C3204A, C3204B, C3204C, C3204D C3205, C3205A, C3205B, C3205C, C3205D, C5640, C5640B, C5640C, C5640D, LP475, LPQ475, LP500, LPQ500, LP800, LPQ800, LPQ1000, LPQ1200, LPQ1400, LPQ1500, LPQ1500-ST, LJ500, LJ1000, LJ1500
I	IBM	6400-004, 6400-004P, 6400-005, 6400-05P, 6400-P50, 6400-050, 6400-008, 6400-08P, 6400-009, 6400-09P, 6400-010, 6400-P10, 6400-012, 6400-014, 6400-015, 6400-C5P, 6400-C05, 6400-i05, 6400-i5P, 6400-i1P, 6400-i10, 6400-i15, 6400-i2S, 6404-B01, 6408-A00, 6408-CTO, 6408-CTA, 6508-A00, 6412-A00, 6412-CTO, 6412-CTA
	Ideal Print	IDP150, IDP 300, IDP 600, IDP 900, IDP 3040, IDP 6080
	IIS/DD	6704, 6608, 6605, 6608, 6612
	Interface Corp	4100SC

P5000 small spool ribbons: 107675-001 (text), 107675-005 (barcode), 172293-001 (Gold 30), 175006-001 (Gold 50) + all specialty ribbons.
P5000 large spool ribbons: 107675-007 (text), 107675-008 (barcode), 179006-001 (Gold 90).

COMPATIBILITY WITH OTHER LINE MATRIX PRINTER BRANDS

	BRAND	PRINTERS COMPATIBLE WITH OUR **PRINTRONIX P5000 RIBBONS** (as follows) Printers in black font color: small spool ribbons only Printers in blue font color: small & large spool ribbons
	Interface Systems	7234 Model 1, 7234 Model 2, 7234 Model 011, 7234 Model 012, PR150, PR300
	ISI	9404, 9408, 9412
J	Jacquard	P300
K	KMW	Hasp
	Kodak	KAR-400
L	Lanier	DM-300, H162-300, H162-600
	Lee Data	1380
	Logicon	TPS
	Lowell Systems	101, 1010, INC
M	MAI	0918, 200CPS, 3150, 3151, 3152, 3160, 3560, 3561, 3562, 3904, 3905, 4201, 4214, 4224, 4235, (3904)
	Matthews	MPS 4000
	McDonnell Douglas	975, 980, 985, Reality, Sequel
	Memorex, Telex (PTX / Visara)	1236, 1250, 1251, 1251-1, 1251-11, 1251-AX, 1252, 1252-1, 1252-11, 1252-AX, 1505-PDA, 1505-PDB, 1505-00B, 1505-P01, 1505-001, 1508-PDA, 1508-00A, 1509-PDA, 1509-00A, 1510-P01, 1510-001, 1512-00A, 1514-00A, 1514-STA, 1515-001, 1515-STA
	Mesa	300, 300/600, 600
	Microdata	5315, 5330, 975, 980, 95, Printronix, Reality, Sequel
	Miltope Corp	3609-212A
	Mini Computer Sys	600LPM
	Moore Business Forms	Series 60
N	NCR	2872
	Newbury Data	ND05P, ND05Q, ND08P, ND08Q, ND12Q
	Nixdorf	ZD 09

P5000 small spool ribbons: 107675-001 (text), 107675-005 (barcode), 172293-001 (Gold 30), 175006-001 (Gold 50) + all specialty ribbons.
P5000 large spool ribbons: 107675-007 (text), 107675-008 (barcode), 179006-001 (Gold 90).

COMPATIBILITY WITH OTHER LINE MATRIX PRINTER BRANDS

	BRAND	PRINTERS COMPATIBLE WITH OUR **PRINTRONIX P5000 RIBBONS** (as follows) Printers in black font color: small spool ribbons only Printers in blue font color: small & large spool ribbons
	NSA AD	AD 30/60
O	Oki-Europe	Micro 50 (MX 50), Micro 90 (MX 90), Micro 100 (MX 100), Micro 140 (MX 140), Micro 150 (MX 150)
P	Pertec	SL20, SX40
	Philips	P2962, P2982, P4500
	Plessey	LP11, LP300, LP600, LPV11/300,LPV11/600
	Prime Computer	3126, 3173, 3174, 3226
	Printronix	MVP150, MVP150B, MVP150C, P150, P300, P300XQ, P600, P600XQ, P3040, P4205, P4208, P4212, P4280, P5005, P5008, P5009, P5010, P5208, P5209, P5210, P5212, P5214, P5215, P5220s, P6080, P6240, P6280, P9012, P9212
R	Radio Shack	DMP2150, LMP2150
	Randal Data	Turnkey
	Raytheon	2180-3, 2189, 2189-3, 2189-6
	Rexon	523
	Rototype	RY-LPS 1000
S	Siemens Nixdorf	9045-10, 9045-10S, 9045-20, 9045-20S, 9045-25, 9045-40, 9045-40S, 9045-50, 9045-50S, 9045-P15, 9045-15, 9045-P30, 9045-30, 9045-60, 9045-60S
	Southwest Data Sys	SDS-300, SDS-600
	Standard Register	P150, P300, P600
	Stielow	3551, 3552, 3553
	Synergy	CI-300, CI-600
T	Taccom	300
	Tandem (Compaq)	5525, 5525B (ELP006), 5526, 5527, 5528, 5529, 5531 (ELP007), 5532 (ELP008)
	Tandy	MVP 150C

P5000 small spool ribbons: 107675-001 (text), 107675-005 (barcode), 172293-001 (Gold 30), 175006-001 (Gold 50) + all specialty ribbons.
P5000 large spool ribbons: 107675-007 (text), 107675-008 (barcode), 179006-001 (Gold 90).

COMPATIBILITY WITH OTHER LINE MATRIX PRINTER BRANDS

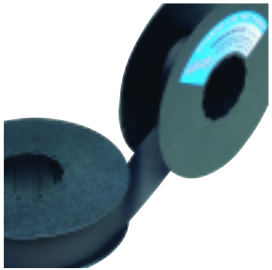
	BRAND	PRINTERS COMPATIBLE WITH OUR **PRINTRONIX P5000 RIBBONS** (as follows) Printers in black font color: small spool ribbons only Printers in blue font color: small & large spool ribbons
	Tempest Technology	LPM 5300XQ, LPM 5600XQ
	Texas Instruments	300/600, LP300/600, LXY-11
	TOTALe	7005P, 7005Q, 7010P, 7010Q, 7015Q, 7015QS
	Trilog	T100, T1000, T1100
U	Unisys	LP800, LP1200, UMS475, UMS475-PED, UMS500, UMS500 PED, UMS500-STK, UMS501, UMS501-PED, UMS501STK, UMS800, UMS800-PED, UMS800-STK, UMS900, UMS900-STK, UMS1000-CAB, UMS1000-PED, UMS1000-STK, UMS1200, UMS1200-STK, UMS1400-STK, UMS 1500-CAB, UMS 1500-STK
W	Wallace	150LPM, 300LPM, 600LPM, MVP
	Wang	LM400, LM700, LM900, LM600E, LM900E
	Weber Label Printer	50, 62, 63, 64, 66, 67, 68, 90
	Weber Legitronic	24699, 35114, 35187
	WW Grainger	XQ3

P5000 small spool ribbons: 107675-001 (text), 107675-005 (barcode), 172293-001 (Gold 30), 175006-001 (Gold 50) + all specialty ribbons.
P5000 large spool ribbons: 107675-007 (text), 107675-008 (barcode), 179006-001 (Gold 90).

	BRAND	PRINTERS ONLY COMPATIBLE WITH OUR PRINTRONIX GOLD SERIES 2000 RIBBON PN 175220-001
I	IBM	6400-i020, 6400-i24 (dual hammerbank printers)
O	Oki-Europe	MX 200
P	Printronix	P5220, P5224 (dual hammerbank printers)

	BRAND	PRINTERS COMPATIBLE WITH OUR PRINTRONIX P7000 RIBBON PN 179499-001 (Ultra-Capacity Ribbon)
O	Oki-Europe	1050, 1100, 1150, 1200
U	Unisys	UMS-6005, UMS-6010, UMS-6015, UMS-6020

LEGACY LINE MATRIX RIBBON



Given some recent improvements and design changes in our ribbon reversing construction (ball-shot attachment), some of the oldest Printronix Printer Models may not reverse direction properly when coming to the end of the spool.

Indeed, the ribbon reversing circuitry in these models may not be sensitive enough to reliably reverse the new ribbons as they reach the end.

To ensure trouble free operation when running the following Legacy Printer Models:

MVP		
MVP150C	**L600BC**	**P6000**
MVP2	**L300BC**	**P6040**
MVP150B	**P600M**	**P6040L**
150	**P600MVP**	**P6080**
150B	**P600-MXQ**	**P6080L**
L150	**P600XQ**	**P6240**
L150BC	**P3000**	**P6240L**
P150	**P3020**	**L6280**
300	**P3040**	**P6280L**
P300	**P3040 QUIET**	**P9005**
P300M	**P3040-2CT**	**P9008**
P300MXQ	**P3040-CT**	**P9012**
P300Q	**P3240-NET**	**P9012-CT**
600	**L6040**	**P9012-IPDS**
P600		

We Recommend the General Purpose (Text/OCR) 30M Character, Legacy Printer Ribbon

Part Number - 250269-005, 6-pack
General Purpose (Text/OCR) 30M Character,
Legacy Printer Ribbon
Yield: 30 million characters

This ribbon uses a more traditional ribbon leader / reversing signal design that is proven to work on all of the models listed to the left and is suitable for text, barcode, and OCR applications.

The vast majority of these older models will work with the ball-shot attachment ribbons. However, each printer varies slightly in terms of its sensitivity to the ribbon reversal signal and some of the least sensitive will fall below the requirements of the new ribbons.

The Printronix printer models P5000, P4280 and P9212 all have later generation ribbon reversing detection circuitry that will work properly with the ball-shot attachment ribbons. Users of these products need to simply keep ordering their existing ribbon part numbers.

T4M™ THERMAL PRINTERS

THERMALINE T4M™

The T4M industrial and commercial printer represents the latest addition to the Printronix ThermaLine™ series of thermal bar code printers.

All T4M printers are designed as RFID Ready and can easily be upgraded with Printronix patented MP2™ encoding technology to read and encode UHF RFID Smart Labels.

This cost conscious thermal bar code printer provides the perfect printing solution for small and medium printing applications like distribution, shipping and receiving, product identification and manufacturing.

The T4M is a 4" Thermal transfer or direct thermal, industrial and commercial grade, RFID Ready, thermal printer.

TYPICAL THERMAL PRINTER APPLICATIONS

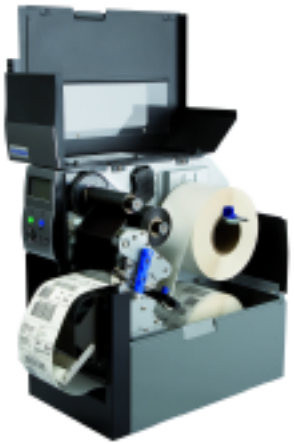
Typical Label Printing Applications

- Barcode labels
- Shipping labels
- Product labels

PRINTER OVERVIEW

Printronix T4M™ Thermal Transfer Printers

Model	Printable Width (inches)	Dots Per Inch (dpi)	Inches Per Second (ips)
T4M2	4.1" max (104 mm)	203	10
T4M3	4.1" max (104 mm)	305	10



PRINTRONIX®
GLOBAL PRINTING...ENABLED.

T5000r™/T5000e™ THERMAL PRINTERS

Printronix introduced the 5r™ multitechnology thermal printing platform. The 5r™ platform, which builds upon the success of the Thermal Printer T5000e™ and the RFID Thermal Printer SL5000e™ series, further enhances the industry's first commercially available ultra-high frequency (UHF) multiprotocol radio frequency identification (RFID) printer for EPCglobal. It is designed to give users the immediate benefit of Printronix's industry-leading throughput while offering the flexibility of field upgradeability to address future technology needs.

TYPICAL THERMAL PRINTER APPLICATIONS

Typical Label Printing Applications

- Barcode labels and tags
- Shipping labels
- Shelf labels
- Point of sale labels
- Product labels

THERMALINE™ T5000r™

The Printronix T5000r™ is an industrial grade thermal bar code printer designed for high print quality and reliable operation. The perfect solution for the supply chain of industrial companies and distribution centres, it offers a wide range of features, all designed to make batch or on-demand bar code printing convenient and efficient. With its Online Data Validation of linear and PDF417 bar codes, the T5000r™ meets the industry's requirement for code reliability.

T5000r™ thermal bar code printers provide unique value to enterprise users at the point of their supply chain printing needs. These rugged, reliable, thermal bar code printers are built to last in any type of environment and enable easy bar code labelling of your products and goods. These printers are also RFID enabled for operations that want to move to smart label printing.

For further information on our thermal printers, please visit our website at
www.printronix.com

PRINTER OVERVIEW

Printronix T5000r™ & T5000e™ Thermal Transfer Printers

Model	Printable Width (inches)	Dots Per Inch (dpi)	Inches Per Second (ips)
T5204e/T5204r	4.1" max (104 mm)	203	10
T5204eDT/T5204rDT	4.1" max (104 mm)	203	10
T5304e/T5304r	4.1" max (104 mm)	300	8
T5304eDT/T5304rDT	4.1" max (104 mm)	300	8
T5206e/T5206r	6.6" max (168 mm)	203	10
T5306e/T5306r	6.6" max (168 mm)	300	8
T5208e/T5208r	8.5" max (216 mm)	203	8
T5308e/T5308r	8.5" max (216 mm)	300	6

SL4M™ RFID PRINTERS

SMARTLINE™ SL4M™

The SL4M™ is the price-performance leader of the Printronix SmartLine™ series of UHF RFID printers-encoders for industrial and commercial applications. This cost-effective smart label printer is designed for businesses seeking the most economical solution for developing an RFID enabled supply chain.

With its heavy-duty industrial design, the SL4M delivers reliable performance for challenging applications and environments, in a cost-effective solution. The SL4M's PSA3 architecture provides the same leading-edge enterprise printing solutions and connectivity as the rest of the Printronix product portfolio. The SL4M's rugged design, build quality, and reliable performance make its Printronix heritage unmistakable.

The SL4M is a 4" Thermal transfer or direct thermal, industrial and commercial grade RFID printer.

The RFID SL4M printer includes Printronix industry leading MP2 RFID Smart encoding technology (Gen 2 hardware certified UHF RFID encoder) and supports EPCglobal Class 1, Gen 2 standards.

PRINTER OVERVIEW

Printronix SL4M™ RFID Thermal Transfer Printers

Model	Printable Width (inches)	Dots Per Inch (dpi)	Inches Per Second (ips)
SL4M2	4.1" max (104 mm)	203	10
SL4M3	4.1" max (104 mm)	305	10

PRINTRONIX®
GLOBAL PRINTING...ENABLED.

SL5000r™ RFID PRINTERS

SMARTLINE™ SL5000r™
Based on the 5r™ Multi-Technology Platform and patented MP2 RFID Smart™ encoding technology, the SL5000r™ MP2 delivers true Gen 2 encoding designed to EPCglobal Gen 2 specifications. The MP2 is the leading encoding technology on the market today with EPCglobal Gen 2 Certified Hardware. This certification mark gives users peace of mind that the printer/encoder complies with EPCglobal standards and has been rigorously tested, assuring predictable results for RFID pilots and implementation.

The SmartLine™ family of world-class UHF RFID printing systems provides maximum versatility and flexibility for all your RFID smart™ label applications.

Through ***leadership by design*** the SL5000r™ MP2 delivers the widest multi-protocol and label choices including support for EPCglobal Class 0, 0+, 1, Gen 2 and Philips Ucode 1.19 plus industry leading performance and global frequency options.

The SL5000r™ MP2 comes in both a 4-inch and 6-inch model.

Printronix SL5000r™ Thermal Transfer Printers

Model	Printable Width (inches)	Dots Per Inch (dpi)	Inches Per Second (ips)
SL5204r	4.1" max	203	10
SL5304r	4.1" max	300	8
SL5206r	6.6" max	203	10
SL5306r	6.6" max	300	8

THERMAL SUPPLIES

HOW TO DETERMINE SUPPLY NEEDS

- **Are you printing labels or tags?**
- **Are you printing with a thermal transfer or direct thermal printer?**
- **What type of media are you printing?**
- **What size label are you printing?**
- **How many printers?**
- **How many labels are you printing per day or week?**

To maximise the benefits of the Printronix T4M™/SL4M™ & T5000™ models/SL5000r™ series, we recommend using Genuine Printronix ribbons, media and consumables matched to the specific application requirements to ensure your T4M™/SL4M™/T5000r™/SL5000r™ thermal printer is ready for all "mission-critical" applications.

The demands of bar code and labelling are unique to your specific application. The ribbons and label media selected will both play a significant role in the success or failure of these applications.

Every bar code and label application has easily definable requirements that will contribute to its ultimate utility and success. Defining the operational, environmental and physical conditions that a label will encounter during its life is the first step in ensuring success.

When your label is installed in its operating environment, it must not only have the highest possible printing quality but must also continue to function as intended for its entire lifetime.

Different ribbon ink formulations are available to support a wide selection of media materials.

- Enhanced Wax formulation for low cost per label, uncoated papers to mid-range synthetic films - this range is designed for high volume label printing and compliance label printing where cost per label is critical.
- Wax resin blends for selected paper, polyethylene and polyester labels - this range is for applications requiring a more durable image on coated paper and synthetic face stocks at higher print speeds and provides a cost effective and durable premium image solution.
- Resin formulations for increased image durability on film face stock - designed specifically for industrial "toughness" and formulated for synthetic film label applications.

T4M-SL4M & T5-SL5 THERMAL TRANSFER RIBBONS

Advantages of Printronix Thermal Transfer Ribbons

- Available in ten ink formulations (black) to cover most applications.
- Available in three colours : Red (pantone 199C), Green (pantone 355C) and blue (pantone 286C) in Wide Spectrum Wax.
- Wide selection of ribbon widths to meet various application needs.
- All our thermal transfer ribbons (except the Coloured) are approved by the German Institute ISEGA, for direct contact with food.
- Convenient Packaging - Packaged six (6) per box, each ribbon is shrink-wrapped for maximum functional life.
- Choice of Ribbon Lengths for T5000 models & SL5000r - Available in extra long 625 meters length, longest in the industry for fewer changes (it provides a 4:1 ratio of labels to ribbon - 4 rolls of labels per ribbon) as well as standard 450 meters length.

For the T4M & SL4M, only the 450 meters length is suitable.

- Optimise Print Head Life - Ribbons are specially back coated to provide maximum transfer of energy and extend the life of the Printronix T5000e™, T5000r™, SL5000r™, T4M™ and SL4M™ print heads.

Standard available widths	Printer Models			
	T4M & SL4M	T5X04e, T5X04r & SL5X04r	T5X06e, T5X06r & SL5X06r	T5X08e & T5X08r
60 mm (2.36")	X	X	X	X
83 mm (3.27")	X	X	X	X
110 mm (4.33")	X	X	X	X
130 mm (5.12")			X	X
152.4 mm (6.00")			X	X
171 mm (6.73")			X	X
220 mm (8.66")				X
Min / Max ribbon width	1.55" to 5.0" (39.4 mm to 127 mm)	1.0" to 4.33" (25.4 mm to 110 mm)	2.0" to 6.8" (50.8 mm to 172.7 mm)	3.0" to 8.75" (76.2 mm to 222.2 mm)

T4M-SL4M & T5-SL5 THERMAL TRANSFER RIBBONS

Standard Wax Ribbon 8100 - PN 253666-XXX

General purpose economy wax ribbon recommended for applications not requiring durability.

Combines excellent printhead protection and excellent printing quality of barcodes (0° barcode), small and large characters.

This ribbon is particularly adapted for printing on a wide variety of papers and especially uncoated.

Length 1,476 ft / 450 Meters		Length 2,051 ft / 625 Meters	
Part Numbers	**Ribbon Widths**	**Part Numbers**	**Ribbon Widths**
253666-001	2.36”/60 mm	253666-008	2.36”/60 mm
253666-002	3.27”/83 mm	253666-009	3.27”/83 mm
253666-003	4.33”/110 mm	253666-010	4.33”/110 mm
253666-004	5.12”/130 mm	253666-011	5.12”/130 mm
253666-005	6.00”/152.4 mm	253666-012	6.00”/152.4 mm
253666-006	6.73”/171 mm	253666-013	6.73”/171 mm
253666-007	8.66”/220 mm	253666-014	8.66”/220 mm

T4M-SL4M & T5-SL5 THERMAL TRANSFER RIBBONS

Wide Spectrum Wax Ribbon 8300 - PN 203484-XXX

Premium wax ribbon recommended for applications requiring higher durability.

Resin enhanced wax providing unparalleled printhead protection, while delivering the darkest, most durable images. Printed images have an enhanced smudge and scratch resistance. This ribbon prints on a wide variety of substrates from uncoated papers to mid-range synthetic films.

PRINTRONIX guarantees that you can run up to 4 million linear inches on your printhead, or 360 days - which ever comes first - provided that you only use PRINTRONIX 8300 Wide Spectrum Wax Ribbons. This is about 4X the industry standard!

For this guarantee to be valid, all you need to do is follow the manufacturer's recommended maintenance schedule, use manufacturer-approved media, and comply with the manufacturer's specified operating conditions.

Length 1,476 ft / 450 Meters		Length 2,051 ft / 625 Meters	
Part Numbers	**Ribbon Widths**	**Part Numbers**	**Ribbon Widths**
203484-001	2.36”/60 mm	203484-101	2.36”/60 mm
203484-002	3.27”/83 mm	203484-102	3.27”/83 mm
203484-003	4.33”/110 mm	203484-103	4.33”/110 mm
203484-004	5.12”/130 mm	203484-104	5.12”/130 mm
203484-005	6.00”/152.4 mm	203484-105	6.00”/152.4 mm
203484-006	6.73”/171 mm	203484-106	6.73”/171 mm
203484-007	8.66”/220 mm	203484-107	8.66”/220 mm

T4M-SL4M & T5-SL5 THERMAL TRANSFER RIBBONS

Wax Resin Blend Ribbon 8550 (Europe) - PN 203713-XXX

Combines excellent high speed printing with high resolution printing on uncoated, coated papers and synthetics with excellent printing on flood coated labels and tags. Printed images have high smudge and scratch resistance.

Formulated to provide excellent print quality at the highest T5000r™/SL5000r™/T4M™/SL4M™ print speeds.

Provides premium durability and excellent print quality on RFID label stocks.

Length 1,476 ft / 450 Meters		Length 2,051 ft / 625 Meters	
Part Numbers	**Ribbon Widths**	**Part Numbers**	**Ribbon Widths**
203713-001	2.36”/60 mm	203713-101	2.36”/60 mm
203713-002	3.27”/83 mm	203713-102	3.27”/83 mm
203713-003	4.33”/110 mm	203713-103	4.33”/110 mm
203713-004	5.12”/130 mm	203713-104	5.12”/130 mm
203713-005	6.00”/152.4 mm	203713-105	6.00”/152.4 mm
203713-006	6.73”/171 mm	203713-106	6.73”/171 mm
203713-007	8.66”/220 mm	203713-107	8.66”/220 mm

T4M-SL4M & T5-SL5 THERMAL TRANSFER RIBBONS

Premium Wax-Resin Ribbon 8560 - PN 253667-XXX

Provides excellent printing performance on a wide range of substrates such as uncoated, coated and high gloss papers as well as synthetics.

Gives a higher mechanical resistance than wax ribbons.

Printed images have a good smudge resistance.

Length 1,476 ft / 450 Meters		Length 2,051 ft / 625 Meters	
Part Numbers	**Ribbon Widths**	**Part Numbers**	**Ribbon Widths**
253667-001	2.36”/60 mm	253667-008	2.36”/60 mm
253667-002	3.27”/83 mm	253667-009	3.27”/83 mm
253667-003	4.33”/110 mm	253667-010	4.33”/110 mm
253667-004	5.12”/130 mm	253667-011	5.12”/130 mm
253667-005	6.00”/152.4 mm	253667-012	6.00”/152.4 mm
253667-006	6.73”/171 mm	253667-013	6.73”/171 mm
253667-007	8.66”/220 mm	253667-014	8.66”/220 mm

T4M-SL4M & T5-SL5 THERMAL TRANSFER RIBBONS

High Performance Wax Resin Blend Ribbon 8580 - PN 250758-XXX

These ribbons are formulated to support special media (rough label stocks to high-gloss paper), especially for range of “poly” media. It can be used on coated paper, PE, PP, PET & PVC media.

Provides excellent durability, superior scratch and smudge resistance. It gives durability comparable to resin ribbons on selected labels.

Length 1,476 ft / 450 Meters		Length 2,051 ft / 625 Meters	
Part Numbers	**Ribbon Widths**	**Part Numbers**	**Ribbon Widths**
250758-501	2.36”/60 mm	250758-001	2.36”/60 mm
250758-502	3.27”/83 mm	250758-002	3.27”/83 mm
250758-503	4.33”/110 mm	250758-003	4.33”/110 mm
250758-504	5.12”/130 mm	250758-004	5.12”/130 mm
250758-505	6.00”/152.4 mm	250758-005	6.00”/152.4 mm
250758-506	6.73”/171 mm	250758-006	6.73”/171 mm
250758-507	8.66”/220 mm	250758-007	8.66”/220 mm

T4M-SL4M & T5-SL5 THERMAL TRANSFER RIBBONS

Specialty Resin Ribbon 8600 - PN 203486-XXX

Provides excellent image scuff and scratch resistance while achieving premium print quality on a wide range of synthetic and coated paper labels/tags.

This ribbon provides outstanding quality on glossy surfaces and is specifically recommended for glossy labels.

Length 1,476 ft / 450 Meters		Length 2,051 ft / 625 Meters	
Part Numbers	**Ribbon Widths**	**Part Numbers**	**Ribbon Widths**
203486-001	2.36”/60 mm	203486-101	2.36”/60 mm
203486-002	3.27”/83 mm	203486-102	3.27”/83 mm
203486-003	4.33”/110 mm	203486-103	4.33”/110 mm
203486-004	5.12”/130 mm	203486-104	5.12”/130 mm
203486-005	6.00”/152.4 mm	203486-105	6.00”/152.4 mm
203486-006	6.73”/171 mm	203486-106	6.73”/171 mm
203486-007	8.66”/220 mm	203486-107	8.66”/220 mm

T4M-SL4M & T5-SL5 THERMAL TRANSFER RIBBONS

Harsh Environment Resin Ribbon 8750 - PN 203712-xxx

Specifically designed for use with high-end synthetic labels.
Combines high speed print (up to 12 IPS) with high solvent and abrasion resistance.
Heat resistance up to 170°C. Prints at lower temperatures than most resins.
Ideal for shelf labels, warning labels, tamper-evident labels and pharmaceutical labels.

Length 1,476 ft / 450 Meters		Length 2,051 ft / 625 Meters	
Part Numbers	**Ribbon Widths**	**Part Numbers**	**Ribbon Widths**
203712-001	2.36"/60 mm	203712-101	2.36"/60 mm
203712-002	3.27"/83 mm	203712-102	3.27"/83 mm
203712-003	4.33"/110 mm	203712-103	4.33"/110 mm
203712-004	5.12"/130 mm	203712-104	5.12"/130 mm
203712-005	6.00"/152.4 mm	203712-105	6.00"/152.4 mm
203712-006	6.73"/171 mm	203712-106	6.73"/171 mm
203712-007	8.66"/220 mm	203712-107	8.66"/220 mm

T4M-SL4M & T5-SL5 THERMAL TRANSFER RIBBONS

Premium Resin Ribbon 8760 – PN 253668-xxx

Premium resin with high versatility, recommended for specific applications in harsh environment.
Provides perfect printing quality with excellent smudge and scratch resistance.
Good heat resistance, up to 180°C.
Adapted for printing on synthetics and also on matt and high gloss coated papers.

Length 1,476 ft / 450 Meters		Length 2,051 ft / 625 Meters	
Part Numbers	**Ribbon Widths**	**Part Numbers**	**Ribbon Widths**
253668-001	2.36”/60 mm	253668-008	2.36”/60 mm
253668-002	3.27”/83 mm	253668-009	3.27”/83 mm
253668-003	4.33”/110 mm	253668-010	4.33”/110 mm
253668-004	5.12”/130 mm	253668-011	5.12”/130 mm
253668-005	6.00”/152.4 mm	253668-012	6.00”/152.4 mm
253668-006	6.73”/171 mm	253668-013	6.73”/171 mm
253668-007	8.66”/220 mm	253668-014	8.66”/220 mm

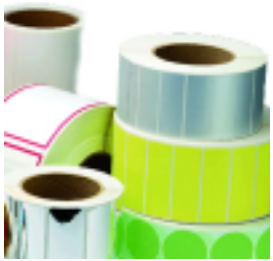
T4M-SL4M & T5-SL5 THERMAL TRANSFER RIBBONS

Harsh Chemical Resin Ribbon 8770 - PN 179390-xxx

Provides the highest heat resistance (up to 220°C), an extreme resistance to harsh chemicals and solvents, and a superior abrasion resistance.
Designed for synthetic label/tag stocks and qualified automotive labels; meets GM 6121M Suffix B requirements; listed for UL applications.
Ideal for chemical drum labelling, automotive under hood, clinical laboratory labelling and high heat resistant labels.

Length 1,476 ft / 450 Meters		Length 2,051 ft / 625 Meters	
Part Numbers	**Ribbon Widths**	**Part Numbers**	**Ribbon Widths**
179390-001	2.36”/60 mm	179390-101	2.36”/60 mm
179390-002	3.27”/83 mm	179390-102	3.27”/83 mm
179390-003	4.33”/110 mm	179390-103	4.33”/110 mm
179390-004	5.12”/130 mm	179390-104	5.12”/130 mm
179390-005	6.00”/152.4 mm	179390-105	6.00”/152.4 mm
179390-006	6.73”/171 mm	179390-106	6.73”/171 mm
179390-007	8.66”/220 mm	179390-107	8.66”/220 mm

RIBBON/MEDIA COMPATIBILITY CHART



Thermal Transfer Technology : applies heat to a ribbon and the image or barcode is then transferred to labels or tags. Compared to the Direct Thermal technology, the Thermal Transfer Technology produces a higher quality, longer lasting image on the tag or label.

For the best image quality and durability, it is important that the ribbon type and media are compatible. The following chart illustrates the combinations of Printronix ribbons and media that will produce the best results.

Ribbon/Media Compatibility Chart

		Ribbon Model								
		8100	8300	8550	8560	8580	8600	8750	8760	8770
Type of Media	Uncoated Paper Label & Tag Stocks (Media 90, 90R)	X	X	X	X	X				
	Coated Face Sheets – Paper Label (Media 100, 100R, 110, 120 R)	X	X	X	X	X	X			
	Coated Tag (Media 180T)	X	X	X	X	X	X			
	Gloss Sheets - Paper Label		X	X	X	X	X		X	
	Polyethylene (PE) Glossy Topcoat (Media 510)			X	X	X	X	X	X	X
	Polyethylene (PE) Matt Topcoat (Media 520)			X	X	X	X	X	X	X
	Polypropylene (PP)			X	X	X	X	X	X	X
	Polyester Glossy Topcoat (Media 700)							X	X	X
	Polyester Matt Topcoat						X		X	X

The above ribbons and media combination is based on Printronix' recommendations and does not imply any warranty. Ribbon and media shall be tested under end user's application to ensure it meets all intended requirements.

THERMAL TRANSFER MEDIA

Media 90: uncoated paper label with permanent acrylic adhesive
(Advised Ribbons : 8100, 8300, 8550, 8560 and 8580).

Qualified for all Printronix thermal printers.
Typical applications include: General purpose labels, compliance labelling, shipping, general warehouse address, AIAG, ODETTE, UCC/EAN, LOGMARS, product ID, hardware parts supply.

Media 90R: uncoated paper label with removable adhesive
(Advised Ribbons : 8100, 8300, 8550, 8560 and 8580).

Qualified for all Printronix thermal printers.
Typical applications include: Temporary product ID, pricing, point of sale and shelf marking labels that can be cleanly removed.

Media 100: coated paper label with permanent acrylic adhesive
(Advised Ribbons : 8100, 8300, 8550, 8560, 8580 and 8600).

Qualified for all Printronix thermal printers.
Typical applications include: general purpose labels, compliance labelling, shipping, general warehouse, address, AIAG, ODETTE, UCC/EAN, LOGMARS, product ID, hardware parts supply.

Media 100R: coated paper label with removable adhesive
(Advised Ribbons : 8100, 8300, 8550, 8560, 8580 and 8600).

Qualified for all Printronix thermal printers.
Typical applications include: temporary product ID, pricing, shipping, point of sale and shelf marking labels that can be cleanly removed.

THERMAL TRANSFER MEDIA

Media 110: premium coated paper label with permanent acrylic adhesive (Advised Ribbons : 8100, 8300, 8550, 8560, 8580 and 8600).

Qualified for all Printronix thermal transfer printers. Typical applications include: compliance labelling, shipping, general warehouse, address labels, AIAG, LOGMARS, product & part ID labels, hardware parts supply and all general barcode applications.

ADHESION*				TEMPERATURE	
Corrugated	Metal/Glass	Plastic	Paper	Minimum Application	Operating Range
1	1	1	1	above 0°C	-20°C to 80°C

ENVIRONMENT*					
Indoor	Outdoor UV	Outdoor Moisture	Heat	Chemical	Abrasion
1	2	5	5	6	5

*1 = Excellent, Recommended / 2 = Good for this category / 3 = Test
4 = Background darkens / 5 = Minimal exposure / 6 = Not suitable

Media 120R: premium coated paper label with removable adhesive (Advised Ribbons : 8100, 8300, 8550, 8560, 8580 and 8600).

Qualified for all Printronix thermal transfer printers. Typical applications include: temporary product ID, pricing, point of sale, and shelf marking labels which can be cleanly removed.

ADHESION*				TEMPERATURE	
Corrugated	Metal/Glass	Plastic	Paper	Minimum Application	Operating Range
1	1	1	3	above -5°C	-20°C to 70°C

ENVIRONMENT*					
Indoor	Outdoor UV	Outdoor Moisture	Heat	Chemical	Abrasion
1	2	5	5	6	5

*1 = Excellent, Recommended / 2 = Good for this category / 3 = Test
4 = Background darkens / 5 = Minimal exposure / 6 = Not suitable

THERMAL TRANSFER MEDIA

Media 180T: 200 gsm 2 side coated paper tag (Advised Ribbons : 8100, 8300, 8550, 8560, 8580 and 8600).

Qualified for all Printronix thermal transfer printers. Typical applications include: retail hangtag, warehouse bin and pouch inserts, inventory control, work in process, product & part ID, and general-purpose tag.

ADHESION*				TEMPERATURE	
Corrugated	Metal/Glass	Plastic	Paper	Minimum Application	Operating Range
NA	NA	NA	NA	NA	NA

ENVIRONMENT*					
Indoor	Outdoor UV	Outdoor Moisture	Heat	Chemical	Abrasion
1	2	5	2	2	5

*1 = Excellent, Recommended / 2 = Good for this category / 3 = Test
4 = Background darkens / 5 = Minimal exposure / 6 = Not suitable

Media 510: 88 gsm gloss white polyethylene label with permanent acrylic adhesive (Advised Ribbons : 8550, 8560, 8580, 8600, 8750, 8760 and 8770).

Qualified for all Printronix thermal transfer printers. Typical applications include: durable satin finish for chemical pails and drums, general outdoor and industrial use.

ADHESION*				TEMPERATURE	
Corrugated	Metal/Glass	Plastic	Paper	Minimum Application	Operating Range
1	1	1	1	above 0°C	-40°C to 90°C

ENVIRONMENT*					
Indoor	Outdoor UV	Outdoor Moisture	Heat	Chemical	Abrasion
1	1	1	2	1	2

*1 = Excellent, Recommended / 2 = Good for this category / 3 = Test
4 = Background darkens / 5 = Minimal exposure / 6 = Not suitable

THERMAL TRANSFER MEDIA

Media 520: 75 gsm matt white polyethylene label with permanent acrylic adhesive (Advised Ribbons : 8550, 8560, 8580, 8600, 8750, 8760 and 8770).

Qualified for all Printronix thermal transfer printers. Typical applications include: outdoor exposures, especially chemical drums.

ADHESION*				TEMPERATURE	
Corrugated	Metal/Glass	Plastic	Paper	Minimum Application	Operating Range
1	1	1	1	above 2°C	-40°C to 70°C

ENVIRONMENT*					
Indoor	Outdoor UV	Outdoor Moisture	Heat	Chemical	Abrasion
1	1	1	2	1	2

*1 = Excellent, Recommended / 2 = Good for this category / 3 = Test
4 = Background darkens / 5 = Minimal exposure / 6 = Not suitable

Media 700's: 2.0 mil (50 micron) top coated high gloss polyester label with permanent acrylic adhesive (Advised Ribbons: 8760, 8750 and 8770).

Qualified for all Printronix thermal transfer printers. Typical applications include: UL/CSA compliant nameplate, harsh environment and laboratory labels.

ADHESION*				TEMPERATURE	
Corrugated	Metal/Glass	Plastic	Paper	Minimum Application	Operating Range
1	1	1	1	above 10°C	-40°C to 150°C

ENVIRONMENT*					
Indoor	Outdoor UV	Outdoor Moisture	Heat	Chemical	Abrasion
1	1	1	1	1	1

*1 = Excellent, Recommended / 2 = Good for this category / 3 = Test
4 = Background darkens / 5 = Minimal exposure / 6 = Not suitable

DIRECT THERMAL MEDIA

Direct Thermal: Applies heat directly to specially treated paper, labels or tags to form the image or barcode. This technology is common in Fax systems, adding machines and point of sale cash register tapes.

Media 210: direct thermal economy paper label with permanent acrylic adhesive.

Qualified for all Printronix direct thermal and thermal transfer printers. Typical applications include: short life delicatessen, grocery, shipping and packaging, work in process labels, general warehouse, short life address & ID labels.

ADHESION*				TEMPERATURE	
Corrugated	Metal/Glass	Plastic	Paper	Minimum Application	Operating Range
1	1	1	1	above 0°C	-20°C to 50°C

ENVIRONMENT*					
Indoor	Outdoor UV	Outdoor Moisture	Heat	Chemical	Abrasion
1	4	5	6	6	6

*1 = Excellent, Recommended / 2 = Good for this category / 3 = Test
4 = Background darkens / 5 = Minimal exposure / 6 = Not suitable

Media 210R: direct thermal economy paper label with removable acrylic adhesive.

Qualified for all Printronix direct thermal and thermal transfer printers. Typical applications include: temporary short life delicatessen, grocery, shipping, and work in process labels that can be cleanly removed.

ADHESION*				TEMPERATURE	
Corrugated	Metal/Glass	Plastic	Paper	Minimum Application	Operating Range
1	1	1	1	above -15°C	-30°C to 50°C

ENVIRONMENT*					
Indoor	Outdoor UV	Outdoor Moisture	Heat	Chemical	Abrasion
1	4	5	6	6	6

*1 = Excellent, Recommended / 2 = Good for this category / 3 = Test
4 = Background darkens / 5 = Minimal exposure / 6 = Not suitable

DIRECT THERMAL MEDIA

Media 220: direct thermal top and back coated paper label with permanent acrylic adhesive.

Qualified for all Printronix direct thermal and thermal transfer printers. Typical applications include: compliance shipping, general warehouse, address, AIAG, LOGMARS, and product ID labels.

ADHESION*				TEMPERATURE	
Corrugated	Metal/Glass	Plastic	Paper	Minimum Application	Operating Range
1	1	1	1	above 0°C	-20°C to 50°C

ENVIRONMENT*					
Indoor	Outdoor UV	Outdoor Moisture	Heat	Chemical	Abrasion
1	4	5	6	6	6

*1 = Excellent, Recommended / 2 = Good for this category / 3 = Test
4 = Background darkens / 5 = Minimal exposure / 6 = Not suitable

Media 220R: direct thermal top and back coated paper label with removable acrylic adhesive.

Qualified for all Printronix direct thermal and thermal transfer printers. Typical applications include: temporary compliance shipping, general warehouse, address, AIAG, LOGMARS, and product ID labels which can be cleanly removed.

ADHESION*				TEMPERATURE	
Corrugated	Metal/Glass	Plastic	Paper	Minimum Application	Operating Range
1	1	1	1	above -15°C	-30°C to 50°C

ENVIRONMENT*					
Indoor	Outdoor UV	Outdoor Moisture	Heat	Chemical	Abrasion
1	4	5	6	6	6

*1 = Excellent, Recommended / 2 = Good for this category / 3 = Test
4 = Background darkens / 5 = Minimal exposure / 6 = Not suitable

RFID SMART™ LABELS

RFID labels used in a RFID printer are a critical element of the RFID printer system. Label design, specifications and selection are of the utmost importance. Printronix, with its years of experience in design of printers and their applications, has developed certified RFID labels that maximise the performance of your Printronix RFID printer and label yield.

Printronix Smart™ Labels combine the technology of thermal-transfer pressure-sensitive labels with Radio Frequency Identification (RFID) tags. The pressure sensitive label has an embedded RFID tag. The RFID tag is a microchip attached to an antenna and uses a write and read technology.

We have gone to great lengths to ensure that our RFID Smart™ Labels - with their many different sizes and antenna configurations - provide the finest RF performance possible when used with our RFID SmartLine™ Printers. The labels are manufactured to demanding specifications and quality tested to assure best performance.

By combining Printronix certified labels with Printronix printers, you have the benefit of one number to call for any print and encode system resolution. When you use Printronix Certified RFID Smart™ Labels you have the full backing of Printronix...Printronix guarantees Printronix Certified RFID Labels can be printed and encoded on Printronix printers.

The RFID Smart™ Label print surface employs the printing characteristics of Printronix Media 110 premium coated paper for thermal transfer printing. For an excellent print quality, we recommend Printronix Wax Resin Blend Thermal Transfer Ribbons 8500 and 8550 (for Europe). These ribbons are formulated to provide excellent high speed print quality with premium durability performance on Printronix Certified RFID Smart™ Labels.

Use of Genuine Printronix Thermal Transfer Ribbons will ensure optimum print and bar code quality, consistent imaging and extended life of the printhead.

Important note:
As our RFID certified labels offer may vary with the time and that we are continuously releasing specifications of RFID labels supported by our RFID printers, we do recommend you to regularly browse our web site at **www.printronix.com**, to get the latest information.

RFiD (((SMART)))™

RFID SMART™ LABELS CERTIFIED BY PRINTRONIX

Certified Printronix RFID Smart™ Labels available from Printronix for SmartLine™ Printers and RFID Printer Applicators are all "100% Tested Good" at time of shipment.

LABEL CONSTRUCTION	MEDIA	LABEL SIZES, INCHES	LABELS PER ROLL	PERFORATION BETWEEN LABELS	CONFIGURATION	PRINTRONIX ORDERING NUMBER
FOR PRINTRONIX SL4M & SL5000 PRINTERS						
860-960 Mhz, 96 Bit, Alien Gen 2 Squiggle ALN9640 Higgs Chip	Thermal Transfer Media 110 Coated Paper Permanent Adhesive	4"x2"	1000	Yes	Roll	254388-001
		4"x4"	750	Yes	Roll	254388-002
		4"x6"	500	Yes	Roll	254388-003
		6"x4"	750	Yes	Roll	254388-004
		6"x8"	500	Yes	Roll	254388-005
		4"x0.8"	1000	Yes	Roll	254388-006
		4"x2" TS	1000	Yes	Roll	254388-101
FOR PRINTRONIX SLPA SERIES PRINT & APPLY PRINTERS						
860-960 Mhz, 96 Bit, Alien Gen 2 Squiggle ALN9640 Higgs Chip	Thermal Transfer Media 110 Coated Paper Permanent Adhesive	4"x2" TS, NP	500	No	Roll	254388-403
		4"x2" TS, NP	3400	No	Roll	254388-405
		4"x2" TS, NP	5000	No	Roll	254388-406

NP: Non-perforated
TS: Trailing Space (label layout that will increase the throughput of the SLPA print and apply equipment). This label construction has a wider gap between labels.

Other label sizes available, call for availability and quote to the +33 1 46 25 19 00

RFID SMART™ LABEL SPECIFICATIONS

Printronix SmartLine™ RFID printers support the widest selection of RFID tags in the industry. This allows you to use a single platform to support the various applications and requirements for RFID labelling in your logistics supply chain.

Printronix has adopted a collaborative, non-proprietary strategy to openly encourage the availability of reliable RFID labels for Printronix RFID printers. To support this strategy we are continuing to release Guide Specifications to the RFID community for specifying RFID labels for use in Printronix RFID printers.

These specifications outline the requirements for RFID labels and placement of RFID inlays for best performance in the Printronix family of RFID printers. Specifications available for downloading on our web site at **www.printronix.com**, are listed overleaf.

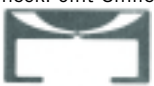
RFID SMART™ LABEL SPECIFICATIONS

Selecting RFID Tag Types

Printronix RFID SL5000 and SLPA7000 printers support a number of RFID protocols and antenna configurations, you will find in the chart below a complete list of RFID tags supported by Printronix Smartline™ Printers.

ANTENNA INLAY	PRINTER ENCODING	LABEL SIZES (MIN INLAY PITCH)	PRINTRONIX SPECIFICATION	CERTIFIED LABELS AVAILABLE FROM PRINTRONIX	PRINTER MENU SELECTION
EPC UHF CLASS 1 GEN 2, 96 BITS (READ/WRITE)					
Alien 9534	MP2	Width: 2.0" to 6.8" Min Pitch: 4.0"	183049	Call	"Sym 4T G2"
Alien 9554	MP2	Width: 4" to 6.8" Min Pitch: 2.125"	183067	Call	"Custom Menu Read = 2 Write = 2 Ant. = Orange"
Alien Gen 2 Squiggle	MP & MP2	Width: 4" to 6.8" Min Pitch: 2.0" (2.65" on MP)	182328	RFID (SMART)™	"Alien Squig G2"
Alien ALN-9529 Squiggle-SQ	MP2	Width: 4" Min Pitch: 2.125"	183192	Call	"Alien 9460 G2"
Alien ALN-9562 Squiggle-SH	MP2	Width: 4" Min Pitch: 2.125"	183190	Call	"Alien 9460 G2"

RFID SMART™ LABEL SPECIFICATIONS

ANTENNA INLAY	PRINTER ENCODING	LABEL SIZES (MIN INLAY PITCH)	PRINTRONIX SPECIFICATION	CERTIFIED LABELS AVAILABLE FROM PRINTRONIX	PRINTER MENU SELECTION
Avery AD-222	MP & MP2	Width: 4" to 6.8" Min Pitch: 2.125"	183060	RFID (SMART)	"AD220"
Avery AD-224 G2	MP2	Width: 4" to 6.8" Min Pitch: 2.125"	183208	Call	"Avery AD222 G2"
Avery AD-812	MP2	Width: 4" to 6.8" Min Pitch: 8.125"	183209	Call	"Avery AD222 G2"183208
CheckPoint Smiley 	MP2	Width: 4" to 6.6" Min Pitch: 3.125"	183030	Call	"Custom Menu Read = 3 Write = 4 Ant. = Orange"
Impinj Banjo	MP2	Width: 4" to 6.8" Min Pitch: 4.0"	182312	Call	"Imp Banjo G2"
Impinj Paper Clip (RSI IN-25)	MP2	Width: Min Pitch: 1.6"	182632	RFID (SMART)	"Alien 9460 Omni"

RFID SMART™ LABEL SPECIFICATIONS

ANTENNA INLAY	PRINTER ENCODING	LABEL SIZES (MIN INLAY PITCH)	PRINTRONIX SPECIFICATION	CERTIFIED LABELS AVAILABLE FROM PRINTRONIX	PRINTER MENU SELECTION
EPC UHF CLASS 1 GEN 2, 96 BITS (READ/WRITE)					
Impinj Propeller	MP2	Width: 4" to 6.8" Min Pitch: 2.1"	182313	Call	"Imp Prop G2"
Impinj Thin Propeller (RSI IN-11)	MP2	Width: 4" to 6.8" Min Pitch: 2.0"	182630	Call	"EPC Gen2 96"
KSW Excalibur Gen 2	MP2	Width: 4" to 6.8" Min Pitch: 5.0"	182445	Call	"EPC Gen 2"
KSW Templar	MP2	Width: 4" to 6.8" Min Pitch: 2.5"	182483	Call	"KSW Templar G2"
Omron Gen 2 Wave	MP & MP2	Width: 4" to 6.8" Min Pitch: 2.125" (3.125" on MP)	182482	Call	"Omron Wave G2"
Raflatac Dog Bone	MP2	Width: 4" to 6.8" Min Pitch: 2.125"	182913	Call	"TBD"

RFID SMART™ LABEL SPECIFICATIONS

ANTENNA INLAY	PRINTER ENCODING	LABEL SIZES (MIN INLAY PITCH)	PRINTRONIX SPECIFICATION	CERTIFIED LABELS AVAILABLE FROM PRINTRONIX	PRINTER MENU SELECTION
Raflatac 3000734	MP2	Width: Min Pitch: 1.95"	182633	RFID (((SMART)))	"Alien 9460 Omni"
Raflatac 3000791 (Frog2)	MP2	Width: 3.0" to 6.8" Min Pitch: 3.125"	183047	Call	"RAF Frog G2"
Raflatac 3000843 ver2	MP2	Width: 4" to 6.8" Min Pitch: 2.125"	183113	Call	"RAF Short G2"
Raflatac 3000843 ver3	MP2	Width: 4" to 6.8" Min Pitch: 2.125"	183113	Call	"RAF Short G2"
Raflatac 3000984	MP2	Width: 3" to 6.8" Min Pitch: 3.125"	183046	Call	EPC G2 Phil 1"

RFID SMART™ LABEL SPECIFICATIONS

ANTENNA INLAY	PRINTER ENCODING	LABEL SIZES (MIN INLAY PITCH)	PRINTRONIX SPECIFICATION	CERTIFIED LABELS AVAILABLE FROM PRINTRONIX	PRINTER MENU SELECTION
EPC UHF CLASS 1 GEN 2, 96 BITS (READ/WRITE)					
Raflatac 3000888	MP & MP2	Width: 3" to 6.8" Min Pitch: 2.0" (3.0" on MP)	182641	Call	MP2: "EPC G2 Phil1" MP: "EPC Gen 2"
RF IDentics Flex Wing	MP & MP2	Width: 4" to 6.8" Min Pitch: 2.5" (3.5" on MP)	182422	Call	"EPC Gen 2"
RSI IN-22	MP2	Width: 4" to 6.8" Min Pitch: 3.5"	182538	Call	"Avery AD220 G2"
RSI-IN-43	MP2	Width: 2.0" to 6.8" Min Pitch: 8.125"	183207	Call	"Raf Frog G2"
RSI IN645	MP2	Width: 3.0" to 6.8" Min Pitch: 2.125"	183110	Call	"RSI Paper Clip G2"
RSI IN646	MP2	Width: 3.0" to 6.8" Min Pitch: 3.125"	183051	Call	"EPC G2 Phil 4"

RFID SMART™ LABEL SPECIFICATIONS

ANTENNA INLAY	PRINTER ENCODING	LABEL SIZES (MIN INLAY PITCH)	PRINTRONIX SPECIFICATION	CERTIFIED LABELS AVAILABLE FROM PRINTRONIX	PRINTER MENU SELECTION
EPC UHF CLASS 1 GEN 2, 96 BITS (READ/WRITE)					
RSI IN647	MP2	Width: 4.0" to 6.8" Min Min Pitch: 2.125"	183111	Call	"Alien Squig G2"
RSI IN649	MP2	Width: 4" to 6.8" Min Pitch: 2.125"	183112	Call	"Avery AD222 G2"
Symbol Four T	MP2	Width: 4" to 6.8" Min Pitch: 2.25"	182457	Call	"EPC Gen 2"
Symbol Trident	MP2	Width: 4" to 6.8" Min Pitch: 2.125"	182742	Call	"EPC Gen 2"

RFID SMART™ LABEL SPECIFICATIONS

LEGACY TAG SUPPORT

ANTENNA INLAY	PRINTER ENCODING	LABEL SIZES (MIN INLAY PITCH)	PRINTRONIX SPECIFICATION	PRINTER MENU SELECTION
EPC UHF CLASS 1 GEN 2, 860 TO 960 MHZ, BROADBAND OPERATION, 96 BITS (READ/WRITE)				
Alien Gen 2 Castle	MP2	Width: 3" to 6.8" Min Pitch: 4.125"	182625	"Rafsec Frog Gen 2"
TI Dallas	MP & MP2	Width: 4" to 6.8" Min Pitch: 2.0" (3.0" on MP)	MP2:182315 MP:182280	MP2: "TI Dallas G2" MP: "EPC Gen 2"
EPC UHF CLASS 1 GEN 2, 915 MHZ NOMINAL, 96 BITS (READ/WRITE)				
Alien Omni-Squiggle	MP2	Width: 4" to 6.8" Min Pitch: 5.0"	182508	"Alien Squig G2"
Avery AD-220 (aka Runway)	MP & MP2	Width: 4" to 6.8" Min Pitch: 2.125"	182327	"Avery AD220 G2"

RFID SMART™ LABEL SPECIFICATIONS

LEGACY TAG SUPPORT				
ANTENNA INLAY	**PRINTER ENCODING**	**LABEL SIZES (MIN INLAY PITCH)**	**PRINTRONIX SPECIFICATION**	**PRINTER MENU SELECTION**
EPC UHF CLASS 1 GEN 1, 915 MHZ NOMINAL, 96 BITS (READ/WRITE)				
Rafsec Frog	MP & MP2	Width: 4" to 6.8" Min Pitch: 3.125" (4.25" on MP)	182458	"Raf Frog G2"
Rafsec Short Dipole	MP2	Width: 4" to 6.8" Min Pitch: 2.0"	182316	"Raf Short G2"
EPC UHF CLASS 1 GEN 1, 915 MHZ NOMINAL, 96 BITS (READ/WRITE)				
Alien 9334	MP2	Width: 1.84" min Min Pitch: 2.5"	182468	"Alien Squig 96"
Alien I-Tag	MP2 (6" only)	Width: 6" to 6.8" Min Pitch: 2.0"	182364	"Alien Itag 96"

RFID SMART™ LABEL SPECIFICATIONS

LEGACY TAG SUPPORT				
ANTENNA INLAY	**PRINTER ENCODING**	**LABEL SIZES (MIN INLAY PITCH)**	**PRINTRONIX SPECIFICATION**	**PRINTER MENU SELECTION**
EPC UHF CLASS 1 GEN 1, 915 MHZ NOMINAL, 96 BITS (READ/WRITE)				
Alien M-Tag	MP & MP2	Width: 4" to 6.8" Min Pitch: 3.0"	182068	"Alien M-Tag 96"
Alien Squiggle	MP & MP2	Width: 4" to 6.8" Min Pitch: 2.0"	182043	"Alien Squig 96"
Alien Squiggle 2 (aka Super Squiggle)	MP & MP2	Width: 4" to 6.8" Min Pitch: 2.0" (3.0" on MP)	182291	"Alien SupS 96"
Avery AD-210 (aka Strip)	MP & MP2	Width: 4" to 6.8" Min Pitch: 2.125"	182378	"Alien Squig 96"
Avery AD-410 (aka IN)	MP & MP2	Width: 4" to 6.8" Min Pitch: 3.0"	182064	"Avery AD410 IN"
Avery AD-610 (aka BL)	MP2 (6" only)	Width: 6.0" to 6.8" Min Pitch: 2.5"	182361	"Avery BL"

RFID SMART™ LABEL SPECIFICATIONS

LEGACY TAG SUPPORT				
ANTENNA INLAY	**PRINTER ENCODING**	**LABEL SIZES (MIN INLAY PITCH)**	**PRINTRONIX SPECIFICATION**	**PRINTER MENU SELECTION**
EPC UHF CLASS 1 GEN 1, 915 MHZ NOMINAL, 96 BITS (READ/WRITE)				
Avery AD-810	MP2	Width: 1.635" min Min Pitch: 1.8"	182452	"Omron Wave"
Omron Gen 2 Loop	MP & MP2	Width: 3" to 6.8" Min Pitch: 3.0" (6.0" on MP)	182594	"Custom Tag"
Omron Loop	MP & MP2	Width: 3" to 4.5"	182372	"Alien Squig 96"
Omron Wave	MP & MP2	Width: 4.0" to 6.8" Min Pitch: 3.0"	182069	"Omron Wave"

RFID SMART™ LABEL SPECIFICATIONS

LEGACY TAG SUPPORT				
ANTENNA INLAY	**PRINTER ENCODING**	**LABEL SIZES (MIN INLAY PITCH)**	**PRINTRONIX SPECIFICATION**	**PRINTER MENU SELECTION**
EPC UHF CLASS 1 GEN 1, 915 MHZ NOMINAL, 96 BITS (READ/WRITE)				
Rafsec 432	MP & MP2	Width: 4.0" to 6.8" Min Pitch: 3.0"	182055	"RAF Omni 432 96"
Rafsec 478	MP& MP2	Width: 4.0" to 6.8" Min Pitch: 3.0"	182044	"Rafsec 478"
EPC UHF CLASS 1 GEN 1, 869.525 MHZ NOMINAL, 96 BITS (READ/WRITE)				
Alien 869 Squiggle	MP2	Width: 4" to 6.8" Min Pitch: 2.0"	182043	"Alien Squig 96"
EPC UHF CLASS 0+, 915 MHZ NOMINAL, 96 BITS (READ/WRITE)				
Symbol Class 0+ 4T Glacier	MP2	Width: 4" to 6.8" Min Pitch: 4.25"	182282	"Matrics 2020 96"

RFID SMART™ LABEL SPECIFICATIONS

LEGACY TAG SUPPORT				
ANTENNA INLAY	**PRINTER ENCODING**	**LABEL SIZES (MIN INLAY PITCH)**	**PRINTRONIX SPECIFICATION**	**PRINTER MENU SELECTION**
EPC UHF CLASS ZUMA, 915 MHZ NOMINAL, 96 BITS (READ/WRITE)				
Avery AD-620 (aka Triflex)	MP2	Width: 4" to 6.8" Min Pitch: 6.0"	182363	"ImpZ Triflex 96"
Impinj Propeller	MP & MP2	Width: 4" to 6.8" Min Pitch: 4.0"	182095	"ImpZ Prop 96"
PHILIPS UCODE 1.19, 869.525 MHZ NOMINAL, 96 BITS (READ/WRITE) FOR EUROPEAN APPLICATIONS				
Rafsec 450	MP & MP2	Width: 2.84" Min Pitch: 2.84"	182056	"RAFUCode 450 96"
X-ident PH 58	MP & MP2	Width: 4" to 6.8" Min Pitch: 2.0"	182057	"X-ident PH58 96"
X-ident PH 60	MP2	Width: 4" to 6.8" Min Pitch: 2.0"	182365	"X-ident PH60 96"

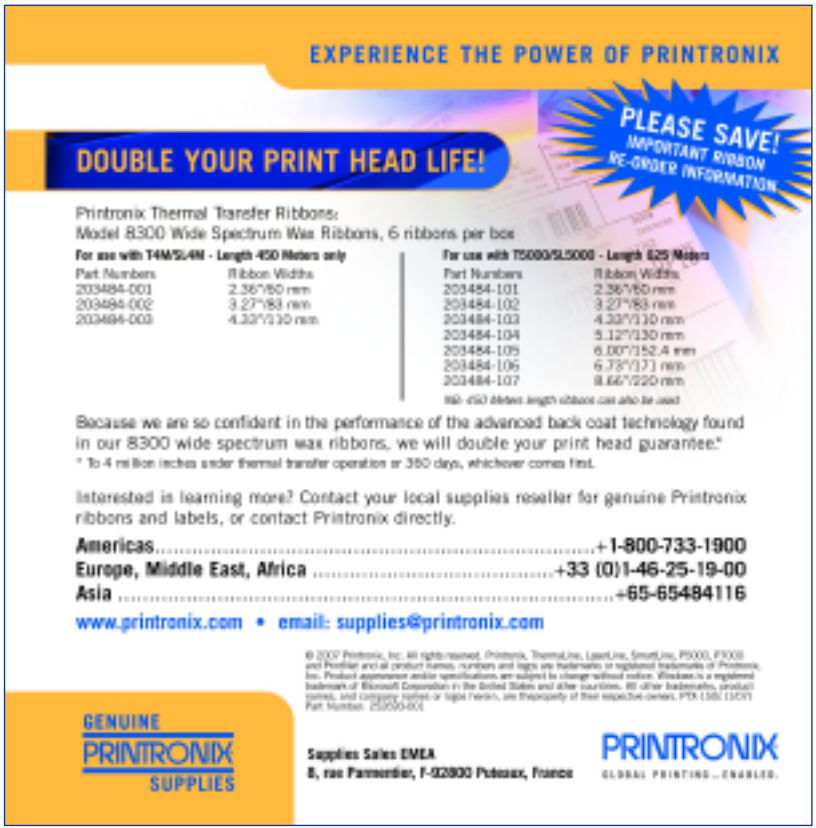
T5000 & SL5000 Printheads

DESCRIPTION	PART NO.
T5204r & SL5204r, 4 inch, 203 dpi Printhead	251011-001
T5304r & SL5304, 4 inch, 300 dpi Printhead	251012-001
T5204e, 4 inch, 203 dpi Printhead	251243-001
T5304e, 4 inch, 300 dpi Printhead	251244-001
T5206e/T5206r, 6 inch, 203 dpi Printhead	251235-001
T5306e/T5306r, 6 inch, 300 dpi Printhead	251236-001
T5208e/T5208r, 8 inch, 203 dpi Printhead	251239-001
T5308e/T5308r, 8 inch, 300 dpi Printhead	251240-001
SL5206r, 6 inch, 203 dpi, RFID Printhead	251237-001
SL5306r, 6 inch, 300 dpi, RFID Printhead	251238-001
Printhead Cleaning Pen, Package of 12	203502-002

T4M & SL4M Printheads

DESCRIPTION	PART NO.
T4M & SL4M, 203 dpi Printhead	252379-001
T4M & SL4M, 305 dpi Printhead	252380-001

T4M™/SL4M™/T5000e™/T5000r™/SL5000™ THERMAL PRINTHEAD WARRANTY


EXPERIENCE THE POWER OF PRINTRONIX
DOUBLE YOUR PRINT HEAD LIFE!
PLEASE SAVE!
IMPORTANT RIBBON RE-ORDER INFORMATION
Printronix Thermal Transfer Ribbons:
Model 8300 Wide Spectrum Wax Ribbons, 6 ribbons per box
For use with T4M/SL4M - Length 450 Meters only
Part Numbers
Ribbon Widths
203484-001
2.36"/60 mm
203484-002
3.27"/83 mm
203484-003
4.33"/110 mm
For use with T5000/SL5000 - Length 625 Meters
Part Numbers
Ribbon Widths
203484-101
2.36"/60 mm
203484-102
3.27"/83 mm
203484-103
4.33"/110 mm
203484-104
5.12"/130 mm
203484-105
6.00"/152.4 mm
203484-106
6.75"/171 mm
203484-107
8.66"/220 mm
Because we are so confident in the performance of the advanced back coat technology found in our 8300 wide spectrum wax ribbons, we will double your print head guarantee.*
* To 4 million inches under thermal transfer operation or 360 days, whichever comes first.
Interested in learning more? Contact your local supplies reseller for genuine Printronix ribbons and labels, or contact Printronix directly.
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Europe, Middle East, Africa.....+33 (0)1-46-25-19-00
Asia.....+65-65484116
www.printronix.com • email: supplies@printronix.com
GENUINE PRINTRONIX SUPPLIES
Supplies Sales EMEA
8, rue Parmentier, F-92800 Puteaux, France
PRINTRONIX
GLOBAL PRINTING...ENABLED.

Thermal Transfer application:

The Printheads are guaranteed 180 days or 50 Km (2 Million inches) whichever comes first.

PRINTRONIX guarantees that you can run up to 4 million linear inches on your printhead, or 360 days - whichever comes first - provided that you only use PRINTRONIX 8300 Wide Spectrum Wax Ribbons. This is about 4X the industry standard!

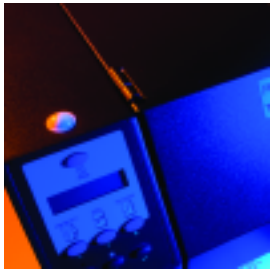
For this guarantee to be valid, all you need to do is follow the manufacturer's recommended maintenance schedule, use manufacturer-approved media, and comply with the manufacturer's specified operating conditions.

For all other Printronix ribbon models (8100, 8550, 8560, 8580, 8600, 8750, 8760, 8770), the standard warranty of 180 days or 50 km (whichever comes first) applies.

Direct Thermal application:

The Printheads are guaranteed 180 days or 25 Km (1 Million inches) whichever comes first.

COMPATIBILITY WITH OTHER THERMAL PRINTER BRANDS



Genuine Printronix Thermal Transfer Ribbons are fully compatible and interchangeable with many thermal printers from other distributors and manufacturers. Even if you don't have a Printronix printer, you can still benefit from the recognised image quality and reliability of Genuine Printronix ribbons. All Genuine Printronix ribbons are designed and manufactured to provide you with maximum print quality and cost effective operation while protecting the value of your printer investment.

COMPATIBLE PRINTER CHART T5000

	BRAND	THERMAL PRINTERS COMPATIBLE WITH OUR PRINTRONIX THERMAL TRANSFER RIBBONS		
		4 inches models	**6 inches models**	**8 inches models**
G	Genicom	T6541, T6541-H	T6561, T6561-H	T6581, T6581H
I	IBM	4400-004, 6700-R40	4400-006, 6700-R60	4400-008, 6700-R80
M	Memorex Telex (Mtx/Visara)	5204, 5304	5206, 5306	5208, 5308
S	Symbol	TPS5204, TPS5304 PT5046-04A, PT5046-04B	TPS5206, TPS5306 PT5046-06A, PT5046-06B	TPS5208, TPS5308 PT5046-08A, PT5046-08B

THERMAL QUICK REFERENCE

T4204™/T2204™ ThermaLine Supplies

T4204 & T2204 Printers Specifications

Print Speed T4204 & T2204	6 inches per second
T4204 & T2204 Printable Width	Up to 4.09" (104 mm)
T4204 & T2204 Media Width	1.0" to 4.5" (25 mm to 114 mm)

T4204 & T2204 Printheads & Thermal Transfer Ribbons (Ink outside)

T4204 Printhead, 4.09", 203 dpi	136881-001
T2204 Printhead, 4.09", 203 dpi	136696-012
Printhead Cleaning Pen (box of 12)	203502-002

Description (single ribbon)	Part No.
Economy Wax Ribbon 5200 - Length 1,181 ft (360 m)	
Width: 2.36 inches (60 mm)	750399-503
Width: 3.15 inches (80 mm)	750399-504
Width: 4.33 inches (110 mm)	750399-505
Prime Wax Ribbon 5400 - Length 1,181 ft (360m)	
Width: 1.00 inches (25 mm)	750371-501
Width: 1.57 inches (40 mm)	750371-502
Width: 2.36 inches (60 mm)	750371-503
Width: 3.15 inches (80 mm)	750371-504
Width: 4.33 inches (110 mm)	750371-505

THERMAL QUICK REFERENCE

T3000™ ThermaLine Supplies

T3000 Printers Specifications

Print Speed T3204	10 inches per second
T3204 Printable width	Up to 4.1" (104.1 mm)
T3204 Media Width	0.75" to 4.65" (19.1 mm to 118.1 mm)
Print Speed T3306	8 inches per second
T3306 Printable Width	Up to 6.4" wide (162.6 mm)
T3306 Media Width	2.0" to 6.7" (50.8 mm to 170 mm)
Print Speed T3308	5 inches per second
T3308 Printable Width	Up to 8.75" (215.9 mm)
T3308 Media Width	3.0" to 9.0" (72.2 mm to 229 mm)

T3000 Printhead

T3204 Printhead, 4.1", 203 dpi	750057-340
T3306 Printhead, 6.4", 300 dpi	750057-082
T3308 Printhead, 8.5", 300 dpi	750057-047
Printhead Cleaning Pen (box of 12)	203502-002

Thermal Transfer Ribbons (Ink inside)

Description (single ribbon)	Part No.
Economy Wax Ribbon 6200 - Length 1,476 ft (450 m)	
Width: 3.15 inches (80 mm)	750401-504
Width: 4.33 inches (110 mm)	750401-505
Width: 5.12 inches (130 mm)	750401-506
Width: 6.00 inches (152.4 mm)	750401-507
Width: 6.50 inches (165 mm)	750401-508
Width: 8.50 inches (216 mm)	750401-509
Prime Wax Ribbon 6400 - Length 1,476 ft (450 m)	
Width: 3.15 inches (80 mm)	750373-504
Width: 4.33 inches (110 mm)	750373-505
Width: 5.12 inches (130 mm)	750373-506
Width: 6.00 inches (152.4 mm)	750373-507
Width: 6.50 inches (165 mm)	750373-508
Width: 8.50 inches (216 mm)	750373-509

T4M™/SL4M™ SUPPLIES QUESTIONS & ANSWERS

"Are T5e/T5r/SL5r ribbons and media compatible with the T4M/SL4M?"

Yes, as long as the ribbons **do not exceed 450 Meters** in length and a 4.33" (110 mm) width.
In addition, the SL4M/T4M can use ribbon with ink coated side in or coated side out without making any changes to the printer settings. As there is no toxic elements in the ribbons, they can be disposed as normal waste. Outside wound or inside wound media rolls will also work in the SL4M/T4M. For fanfold media, simply insert the media from the bottom or the rear of the printer.

"Are tools required for the T4M/ SL4M snap-in printhead to change resolution?"

No. Similar to the SL5r/T5r, changing print resolution from 203 to 305 DPI and vice versa is achieved by simply changing the print head which self aligns within the print mechanism. The SL4M/T4m auto-detects the printhead resolution and makes all parameters changes.

"Will the same RFID media used on a SL5r work on the SL4M?"

Yes. The SL4M uses the same MP2 encoding platform found on the SL5r and the SLPA. With MP2, the same RFID media can be used in all three models to leverage volume and reduce tag costs, increase inventory efficiency, and optimize production. The SL4M also features advanced tag calibration to use for existing media inventory with non-standard tag positions.

"Are printheads the same for T5/SL5 and T4M/SL4M?"

No. The printheads of the T5/SL5 can not be used with the T4M/SL4M and vice versa.
However, in contrary to the T5/SL5, printheads are the same for the T4M and SL4M.

T5000™/SL5000r™ SUPPLIES QUESTIONS & ANSWERS

"How do I determine the correct ribbon for a specific application?"

The intended application drives ribbon selection. Thorough testing under operational conditions of the ribbon and media that you have selected, is highly recommended in order to ensure the requirements of the application are met. This precautionary procedure will not only confirm the validity of your ribbon and media selections, but also assist in identifying any unanticipated production, handling, and usage difficulties before they can affect the performance and effectiveness of your application. Testing of label adhesion, durability, and resistance to expected environmental conditions before implementation will ensure effective and economical system implementation.

"Why do Printronix ribbons sometimes cost more than other brands?"

Printronix thermal transfer ribbons use the latest advancements in formulation and manufacturing to provide outstanding performance at competitive price points.

Do not be fooled by comparing the price per roll of Printronix Thermal Transfer ribbon with a competitive ribbon. Each Printronix Thermal Transfer ribbon is longer, so you are comparing more with less (625 meters Printronix Thermal Transfer ribbons vs. shorter competitive ribbons).

The Thermal Transfer ribbon is designed to increase your manufacturing productivity and reduce your operating costs. The T5000r™ and SL5000r™ use the longest ribbon in the industry for a standard bar code printer. You save money with fewer ribbon changes. For example, if your current printer is using a 450 meters ribbon you will reduce ribbon changing labour costs of 28%! In addition, your printer will have more 'up time'. The labour cost reduction is even greater (42%) if you are currently using a 360 meters ribbon.

That is only part of the story. The best way to compare basic ribbon cost is to calculate the ribbon cost per square meter (m^2).

T5000™/SL5000r™ SUPPLIES QUESTIONS & ANSWERS

"How do I compare ribbon costs?"

The best way to compare basic ribbon cost is to calculate the ribbon cost per square meter (m^2). This simple calculation allows a comparison of the basic ribbon cost using the area of the ribbon.

The area of the ribbon is equal to width (in mm) multiplied by length (in meters).

M^2 = the total square meter area of the ribbon.

For example, a 220 mm (8.66") wide Printronix Thermal Transfer ribbon and 625 meters long.
Total area (0.220 wide x 625 meters) is equal to 137.50 m^2.
Ribbon roll price/137.50 m^2 = ribbon price per m^2.

Printronix Thermal Transfer ribbons are longer (625 meters) than competitive ribbons, which length is 450 meters.

"How many labels per ribbon will the Printronix Thermal Transfer ribbon yield?"

The Printronix Thermal Transfer ribbon is 625 meters in length.
625 meters = 625,000 mm or 24,612" in length.
For a typical 6" (152 mm) wide by 4" (102 mm) long label, a total of 5,966 labels can be printed.
4.00" long label plus 1/8" gap = 4.125" label length.
Labels per ribbon = ribbon length/label length = 24,612/4.125 = 5,966 labels.
(Labels per ribbon = ribbon length in mm/Label height in mm = Labels numbers)

"How do I compare the consumables cost of ownership?"

Consumables cost of ownership for thermal transfer printers is based on printhead and ribbon consumption. T5000e™/SL5000r™ printhead life is rated at 1,000,000 linear inches of direct thermal media and 2,000,000 linear inches thermal transfer printing. Each Printronix Thermal Transfer ribbon prints 24,612 inches of media.

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THERMAL SUPPLIES QUESTIONS & ANSWERS

"How do I specify media?"

To help select media consider the following questions:

- Have you already selected a printing technology (Direct Thermal or Thermal Transfer)?
- How long must your label last? (Film labels last longer than paper labels.)
- What level of abrasion from handling or scanning is anticipated? (Wax/Resin blend ribbons increase resistance to abrasion. Extreme abrasion will require a tough face stock.)
- Is the label intended for indoor or outdoor use or both? (Film labels are best for outdoor applications, paper degrades in sunlight.)
- If outdoor use, is it a short or extended exposure?
- What is the level of moisture or humidity that your label will experience? (Coated paper labels can withstand minimal exposure to moisture.)
- What temperatures must be withstood during the application or use of the label? (Paper labels work in same temperature as people. Otherwise, use film labels for wider temperature ranges.)
- What if high durability and tear resistance are desired? (Polyester labels provide highest durability and tear resistance.)
- What is the media format required (adhesive backed label or free hanging tag/ticket)?
- What are the surface characteristics of the product or item to be labelled? (Important for determining if a special adhesive is required.)
- Is the label intended to be permanent or removable? (Removable labels use a special adhesive.)
- Is a temper-evident material necessary? (Niche applications require special label construction.)
- Is chemical, oil, blood, or solvent resistance necessary? (Requires use of film label materials.)

THERMAL SUPPLIES QUESTIONS & ANSWERS

"How do I get a quote for media?"

Simply provide the following information to your Printronix Supplies Representative (see page 2):

- Label face stock (determined by asking questions outlined in "How do I specify media?" question on previous page).
- Label construction: pressure sensitive or tag; perforation between each label; notch or printed 'top of form' mark; and any other special considerations.
- Label size (width x height).
- Label configuration: on Roll or fan folded.
- Preprinted information or background colour.
- Expected volume - annual, monthly, etc.
- Target price - current price points, etc.

Turnaround time on price quotes is usually less than 48 hours. Having all the label information will speed up the quoting process.

LASER SUPPLIES

When industrial printer users required printing on plastic cards and other non-traditional media over 10 years ago, Printronix introduced its LaserLine™ family of laser printers. With thousands of LaserLine™ printers installed worldwide, the Printronix LaserLine™ family has proven its ability to survive the most demanding and complex industrial environments.

For further information on the LaserLine™ laser printers, please visit our website at **www.printronix.com**

The LaserLine series are rugged, high-speed printers built for demanding applications found in supply chain & distribution centre environments. Our printers combine laser quality and speed with the convenience and functionality of continuous form printing.

The LaserLine Series can tackle a wide variety of media including:

- Labels for mailing and publishing
- Drum labels for chemicals
- Plastic membership cards
- Apparel shipping labels and hang tags
- Grocery store shelf labels
- Compliance labels for major appliances
- Customer statements and bills
- Automobile window stickers
- Medical laboratory bar codes
- Tyvek law labels
- And more...

HOW TO DETERMINE SUPPLY NEEDS

- **Are you printing continuous forms (fanfolded forms)?**
- **What brand of printer are you using?**
- **What model are you using?**
- **How many printers?**
- **How many boxes of paper are you printing per day or week?**

PRINTER OVERVIEW

Model	Speed (LPM)
L1016*	16
L1024*	24
L1524**	24
L5020*	20
L5024*	24
L5031*	31
L5035*	35
L5520*	20
L5535**	35
L7032	32

* No longer available

** Product not compliant with RoHS initiative and not legal for sale in countries that have adopted these measures.

LASER SUPPLIES

L1000 SERIES PRINTER APPLICATIONS

The installed base of Printronix L1000 Series continuous forms laser printers are used for:

Typical Text Printing Applications	Typical Bar Code Printing Applications
• Data processing reports • Inventory reports • Invoices • Packing slips • Parts listings • Pick lists	• Broadcast labels (large labels) • Point of sale labels • Product labels • Shelf labels • Shipping labels • Wide range of bar coded labels & tags

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LASER SUPPLIES

L1016 Series Printers Supplies

- **Toner Cartridge Kit**
  - Yield: 8,000 pages at 5% image coverage per page.

  Includes:
  - 2 Toner Bottles
  - 2 Waste Toner Bottles
  - 2 Fuser Felt Pads
- **Organic Photoconductor (OPC) Drum**
  - Yield: 30,000 pages at 5% image coverage per page.

  Precisely transfers toner to page.
- **Developer Kit**
  - Yield: 100,000 pages at 5% image coverage per page.

  Provides precise metering of toner for superior print quality.

  Includes:
  - Carrier
  - Ozone Filter
- **Fuser Assembly - 120 VAC**
  - Yield: 300,000 pages at 5% image coverage per page.

  Includes complete fusing unit.
- **Fuser Assembly - 220 VAC**
  - Yield: 300,000 pages at 5% image coverage per page.

  Includes complete fusing unit.
- **Felt Fuser Wipers**
  - Yield: Change with each toner load.

  Assures clean print image and extends Fuser Roller life.

Genuine Printronix L1016 Laser Printer Supplies are fully compatible and interchangeable with many laser printers from other distributors and manufacturers. (see below chart)

	BRAND	LASER PRINTERS COMPATIBLE WITH PRINTRONIX L1016 LASER PRINTER SUPPLIES
A	AMT	Tracjet 16ppm
	ANALOG	8030, 8530
	ATC	8030, 830EN
E	Europatec	Laser 303E
F	Facit	D7160, P5020
I	IBI	1600C
	Impression Technology	ZL 1 Laser Printer
M	Microplex	Solid 16E
O	OTC	LM 1000
P	Pentax	Laserfold 240, 300, 480, PL-0301, PL-F0241, F0301
	PFB	1016
R	Rosetta	RT-3216, 3216M
S	Synergystex	CF 1000
T	Thardo	CF 1000
W	Weber Marking	92 Series

LASER SUPPLIES

L1524, L1024 & L1024 IPDS Series Printers Supplies

- **Toner Kit**
  - Yield: 16,000 pages at 5% image coverage per page.

  Includes:
  - 2 Toner Bottles
  - 2 Waste Toner Bottles
  - 2 Fuser Felt Pads
- **Organic Photoconductor (OPC) Drum**
  - Yield: 30,000 pages at 5% image coverage per page.

  Precisely transfers toner to page.
- **Developer Kit**
  - Yield: 100,000 pages at 5% image coverage per page.

  Provides precise metering of toner for superior print quality.

  Includes:
  - Developing Unit - Ozone Filter
  - Developer (Starter Toner) - Cleaning Kit
- **Fuser Roller Kit**
  - Includes Pressure Roller and Fuser Roller.
  - Yield: 300,000 pages at 5% image coverage per page.

  Fuser Roller Kit - 120 VAC Models

  Fuser Roller Kit - 220 VAC Models
- **Felt Fuser Wipers**
  - Yield: Change with each toner load. Assures clean print image and extends Fuser Roller life.

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LASER SUPPLIES

L1524, L1024 & L1024 IPDS Series Printers Supplies (continued)

- **Card Stock Upgrade Kit**
  Requires installation by a Field Engineer.
  Consists of a special transfer unit and fuser.
  For stock 42-56 lbs. (10 points)
  Card Stock Upgrade Kit, 115v
  Card Stock Upgrade Kit, 230v

- **Fuser Kit, Card Stock Upgrade**
  - Yield: 300 000 pages at 5% image coverage per page.
  Includes Pressure Roller and Fuser Roller - replacement fuser when upgraded to the Card Stock Upgrade.
  Fuser Kit, Card Stock Upgrade, 115v
  Fuser Kit, Card Stock Upgrade, 230v

- **100 000 Page Supplies Kit**
  - Yield: 100 000 pages at 5% image coverage per page.
  Complete set of supplies to support 100 000 pages of printing.

  Includes:
  - 7 Toner Kits
  - 3 OPC Drums
  - 1 Developer Kit

Genuine Printronix L1524/L1024 Laser Printer Supplies are fully compatible and interchangeable with many laser printers from other distributors and manufacturers. (see below chart)

	BRAND	LASER PRINTERS COMPATIBLE WITH PRINTRONIX L1524/L1024 LASER PRINTER SUPPLIES
A	AMT	Tracjet III, Tracjet IV
	ATC	8045
C	C ITOH	C ITOH 24
E	Europatec	Laser 24E, Laser 303E
F	Facit	P5024
M	Microplex	Solid 24E, F24
O	OTC	LM 2400, LM 2405, LM 2406
P	Pentax	Laserfold 24E, PU934, PLE-F0301
	PFB	1024
	PSI	PP2024
S	Synergystex	CF1000 PLUS

LASER SUPPLIES

L5000 SERIES PRINTER APPLICATIONS

The installed base of Printronix L5000 Series laser printers address a specialty market and are used for:

Typical L5000 Printing Applications	
• Applications requiring wide web • Laser printing • Inventory reports • Packing slips • Parts listings • Pick lists • Plastic membership cards • Price tags	• Broadcast labels (large labels) • Point of sale labels • Product labels • Shelf labels • Shipping labels • Vinyl labels • Wide range of bar coded labels & tags

L5535, L5035, L5035 IPDS, L5031 and L5024 Series Printers Supplies

- **Toner Kit**
  - Yield: 25,000 pages at 4% image coverage per page.
- **Developer Kit**
  - Yield: 150,000 pages at 4% image coverage per page. Carrier for toner provides sharp print quality.
- **Waste Toner Bottle**
  - Yield: 150,000 pages at 4% image coverage per page.
- **Photoreceptor Drum**
  - Yield: 300,000 pages based on plain bond paper. Precisely transfers toner to page. Materials such as labels, card stock, vinyl or plastic may reduce drum life by as much a half. The determining factor for drum replacement is the user's print quality requirements.
- **Developing Unit**
  - Yield: 600,000 pages at 4% image coverage per page. Provides precise metering of toner for superior print quality. Requires recharging with Developer every 150,000 pages.
- **L5535 and L5035 300 000 Page Supplies Kit**
  Contains:
  - 12 Toner Cartridges
  - 2 Developers
  - 2 Waste Toner Bottles
  - 1 Photoreceptor Drum

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LASER SUPPLIES

L5520, L5020 And L5020 IPDS Series Printer Supplies

- **Toner Cartridge**
  - Yield: 21,000 pages at 4% image coverage per page.
- **Developer**
  - Yield: 150,000 pages at 4% image coverage per page. Carrier for toner provides sharp print quality.
- **Waste Toner Bottle**
  - Yield: 90,000 pages at 4% image coverage per page.
- **Photoreceptor Drum**
  - Yield: 300,000 pages based on plain bond paper. Precisely transfers toner to page. Materials such as labels, card stock, vinyl or plastic may reduce drum life by as much as half. The determining factor for drum replacement is the user's print quality requirements.
- **Developer Unit**
  - Yield: 600,000 pages at 4% image coverage per page. Provides precise metering of toner for superior print quality. Requires recharging with Developer every 150,000 pages.

LASER SUPPLIES

The Laserline L7032 printer delivers a winning combination of print quality, speed, ease-of-use, footprint, media handling and affordability. Rated at 32 pages per minute and up to 400,000 pages per month, this printer is ideal for use in distribution, supply chain and manufacturing applications.

L7032 Series Printers Supplies

- **Toner Starter Kit**
  - Includes 12 Toner Bottles, 12 Waste Toner Bottles, and 6 Fuser Cleaning Rollers.
  - Yield: 384,000 pages at 4% image coverage per page.
- **Toner Kit**
  - Includes 2 Toner Bottles, 2 Waste Toner Bottles, and 1 Fuser Cleaning Roller.
  - Yield: 64,000 pages at 4% image coverage per page.
- **Developer Unit**
  - Includes Developing Unit
  - Yield: 800,000 pages at 4% image coverage per page.
- **Developer Mix**
  - Includes Developer powder, Ozone Filter, Cleaning Kit, Drop Cloth and Mix Disposal Bag.
  - Yield: 800,000 pages at 4% image coverage per page.

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LASER SUPPLIES

MICR TONER SUPPLIES

- **MICR Toner Starter Kit**
  - Includes 12 Toner Bottles, 12 Waste Toner Bottles, and 6 Fuser Cleaning Rollers.
  - Yield: 384,000 pages at 4% image coverage per page.
- **MICR Toner Kit**
  - Includes 2 Toner Bottles, 2 Waste Toner Bottles, and 1 Fuser Cleaning Roller.
  - Yield: 64,000 pages at 4% image coverage per page.
- **MICR Developer Unit**
  - Includes Developing Unit
  - Yield: 800,000 pages at 4% image coverage per page.
- **MICR Developer Mix**
  - Includes Developer powder, Ozone Filter, Cleaning Kit, Drop Cloth and Mix Disposal Bag.
  - Yield: 800,000 pages at 4% image coverage per page.

COMMON SUPPLIES

- **OPC Drum Kit**
  - Includes OPC Drum Cartridge, Main Charger Unit and Charger Cleaner Brush
  - Yield: 400,000 pages at 4% image coverage per page.
- **Transfer Charger**
  - Includes Transfer Charger
  - Yield: 400,000 pages at 4% image coverage per page.
- **Fuser Assembly**
  - Includes Fuser and Fuser Roller
  - Yield: 800,000 pages at 4% image coverage per page.

  Fuser Roller Assembly - 120 VAC Models
  Fuser Roller Assembly - 220 VAC Models

LASER QUICK REFERENCE

Printronix L1016

Print Speed 16 pages per minute
Usage Up to 30,000 pages monthly

Supply Item	Part No.	Yield in Pages
Toner Kit	702566-001	8,000
OPC Drum Kit	704539-008	30,000
Developer Kit	702568-001	100,000
Fuser Assembly (120V)	702574-001	300,000
Fuser Assembly (220V)	702932-001	300,000
Fuser Felt Wipers (box of 10)	702854-001	

Printronix L1524, L1024 and L1024 IPDS Series Printers

Print Speed 24 pages per minute
Usage Up to 50,000 pages monthly

Supply Item	Part No.	Yield in Pages
Toner Kit	704539-006	16,000
OPC Drum Kit	704539-008	30,000
Developer Kit	704539-007	100,000
Fuser Roller Kit (120V)	704539-146	300,000
Fuser Roller Kit (220V)	704539-147	300,000
Fuser Felt Wipers (box of 10)	704539-021	
Fuser Kit, Card Stock Upgrade, 115v	203983-001	
Fuser Kit, Card Stock Upgrade, 230v	203984-001	
100,000 Page Supplies Kit Includes: - 7 Toner Kits - 3 OPC Drums - 1 Developer Kit	170802-001	100,000

LASER QUICK REFERENCE

By Printronix Model Number

Printronix L5535, L5035, L5035 IPDS, L5031 and L5024 Series Printers

Print Speed L5535/L5035 35 pages per minute
Print Speed L5031 31 pages per minute
Print Speed L5024 24 pages per minute
Usage Up to 300,000 pages monthly

Supply Item	Part No.	Yield in Pages
Toner Cartridge	703532-001	25,000
Waste Toner Bottle	703539-001	150,000
Developer	703548-001	150,000
Photoreceptor Drum	703535-001	300,000
Developing Unit	705739-001	600,000
300,000 Page Supplies Kit Includes: - 12 Toner Cartridges - 2 Waste Toner Bottles - 2 Developers - 1 Photoreceptor Drum	177738-001	300,000

Printronix L5520, L5020 and L5020 IPDS Series Printers

Print Speed 20 pages per minute
Usage Up to 300,000 pages monthly

Supply Item	Part No.	Yield in Pages
Toner Cartridge	703532-001	21,000
Waste Toner Bottle	202984-001	90,000
Developer	703548-001	150,000
Photoreceptor Drum	703535-001	300,000
Developing Unit	705739-001	600,000

LASER QUICK REFERENCE

Printronix L7032 Series Printers

Print Speed 32 pages per minute (letter landscape)
Usage Up to 400,000 pages monthly

Supply Item	Part No.	Yield in Pages
Toner Starter Kit Includes: - 12 Toner Bottles - 12 Waste Toner Bottles - 6 Fuser Cleaning Rollers	252257-001	384,000
Toner Kit Includes: - 2 Toner Bottles - 2 Waste Toner Bottles - 1 Fuser Cleaning Roller	251749-001	64,000
Developer Unit	251746-001	800,000
Developer Mix Includes: - Developer Powder - Ozone Filter - Cleaning Kit - Drop Cloth - Mix Disposal Bag	251747-001	800,000
MICR Toner Starter Kit Includes: - 12 Toner Bottles - 12 Waste Toner Bottles - 6 Fuser Cleaning Rollers	252256-001	384,000

Supply Item	Part No.	Yield in Pages
MICR Toner Kit Includes: - 2 Toner Bottles - 2 Waste Toner Bottles - 1 Fuser Cleaning Roller	251742-001	64,000
MICR Developer Unit	251803-001	800,000
MICR Developer Mix Includes: - Developer Powder - Ozone Filter - Cleaning Kit - Drop Cloth - Mix Disposal Bag	251804-001	800,000
OPC Drum Kit Includes: - OPC Drum Cartridge - Main Charger Unit - Charger Cleaner Brush	251748-001	400,000
Transfer Charger	251745-001	400,000
Fuser Assembly Includes Fuser and Fuser Roller Fuser Assembly - 120 VAC Model Fuser Assembly - 220 VAC Models	 251744-001 251743-001	800,000

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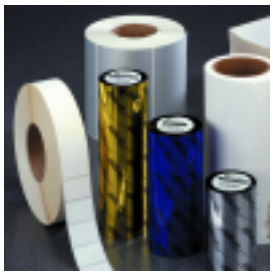
LIST OF SUPPLIES DATASHEETS

Genuine Printronix Supplies Brochures are available (in full colour Adobe® PDF format) for downloading, on our web site at **www.printronix.com**

They are also available to order from Printronix Netherlands, using below PNs. Please note that brochures are packed by 50.

PRODUCT LINE	LANGUAGE	PART NO.
P7000 Line Matrix ribbons	English	250731-001
	French	250735-001
	Italian	250737-001



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